PUBLIC HEALTH REPORTS

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THE TREATMENT OF LEPROSY WITH THE ETHYL ESTERS OF CHAULMOOGRA OIL.

Although the treatment of leprosy with the ethyl esters of chaulmoogra oil at the Leprosy Investigation Station of the Public Health Service at Kalihi, Hawaii, and at the Territorial Leper Colony at Kalaupapa, has given very encouraging results, nevertheless over-optimistic and extravagant statements which have appeared from unauthorized sources in the public press make it necessary at this time to call attention to the therapeutic status of the ethyl esters of chaulmoogra oil in the treatment of leprosy.

The ethyl esters of chaulmoogra oil may be regarded as the most valuable therapeutic agent in the treatment of leprosy which has been developed up to the present time. They are superior to chaulmoogra oil in that they (1) may be administered practically to all patients, and (2) their use, when injected subcutaneously, is not accompanied by the pain, discomfort, or slow absorption and frequent abscess formation attendant on the use of crude chaulmoogra oil.

In properly selected cases, especially in the young and in those who are in the early stages of the disease, the clinical improvement is rapid and striking. The results are less favorable in older persons and in cases of long duration. At this time we can not say that the ethyl esters of chaulmoogra oil are a cure for leprosy. The cases which have been paroled from the Leprosy Investigation Station at Kalihi and from the Territorial Leper Colony at Kalaupapa are cases which no longer exhibit clinical evidence of leprosy and in which the disease has apparently been arrested. Whether these cases of arrested disease constitute permanent cures or not is a question which only the passage of time can answer. As in the case of arrested tuberculosis, one would expect a certain percentage of relapses to occur in lepers paroled with the disease in an arrested condition. A certain percentage of these relapses do occur. Up to the present time 8 per cent of the patients paroled from the two leper institutions in Hawaii mentioned above have relapsed and have returned to these institutions for treatment.

Therefore, in regard to the treatment of leprosy with the ethyl esters of chaulmoogra oil we may say at present that their use has

resulted in the apparent cure of the disease in a considerable number of cases, but whether these "apparent cures" be permanent or not is a matter which requires time to determine. The results have, however, been so favorable as to lend a hopeful aspect to the treatment of a disease which has long been regarded as hopeless, and to lead us to believe that a therapeutic agent has been developed which surpasses in value anything which has been brought forward up to the present time.

MORBIDITY IN ENGLAND AND WALES, 1920.

The following table shows the number of cases of notifiable diseases reported in England and Wales for the calendar year 1920 and the case rates per 1,000 population.

The figures are taken from "Incidence of Notifiable Infectious Diseases in Each Sanitary District in England and Wales during the year 1920," issued by the Ministry of Health.

The population is given as 37,426,800.

Disease.	England and Wales, 1920.	
	Number of cases notified.	Rate per 1,000 population.
Cerebrospinal meningitis	583	0.02
Continued fever	35	.00
Diphtheria	69,481	1.86
Dysentery	1,353	.04
Erysipelas	16,051	.43
Lethargic encephalitis	890	.02
Malaria (contracted in England)	32	.00
Ophthalmia neonatorum	10,304	.....
Plague	3	.00
Pneumonia	38,859	1.04
Polio-encephalitis	36	.00
Poliomyelitis	293	.01
Puerperal fever	2,898	.08
Relapsing fever	7	.00
Scarlet fever	119,490	3.19
Smallpox	263	.01
Trench fever	39	.00
Tuberculosis (pulmonary)	61,655	1.65
Tuberculosis (other forms)	15,851	.42
Typhoid fever	3,109	.08
Typhus fever	2	.00

OHIO WORKMEN'S COMPENSATION ACT CONSTRUED.

DEATH FROM TYPHOID CAUSED BY DRINKING WATER IS COMPENSABLE UNDER WORKMEN'S COMPENSATION ACT.

On September 12, 1921, the Ohio Court of Appeals, first appellate district, decided [1] that death from typhoid fever caused by drinking impure water is compensable under the workmen's compensation statute.

[1] The Industrial Commission of Ohio v. Cross et al.

The decedent was employed by the city park department as inspector of certain construction work. The only drinking water available in the vicinity of the place where the construction work was being done was from a spring near by. After the decedent was taken ill, the spring water was examined by the health department and found to contain typhoid fever germs. In the course of the opinion the court of appeals said: "While there might be an extended discussion and difference of opinion as to what is meant by the term 'injured,' in construing the term as used in the statute, we do not think the legislature meant that the injury must be caused by the application of external force. The man was as much injured by the contracting of typhoid fever as if injury had been inflicted by external force."

STATE AND INSULAR HEALTH AUTHORITIES, 1921.

DIRECTORY, WITH DATA AS TO APPROPRIATIONS AND PUBLICATIONS.

Directories of the State and insular health authorities of the United States for each year from 1912 to 1920 have been published in the Public Health Reports [1] for the information of health officers and others interested in public-health activities. These directories have been compiled from data furnished by the respective State and insular health officers and include data as to appropriations and publications.

Where an officer has been reported to be a "full-time" health officer, that fact is indicated by an asterisk (*). For this purpose a "full-time" officer is defined as "one who does not engage in the practice of medicine or any other business, but devotes all his time to official duties."

ALABAMA.

Board of censors of the State Medical Association, acting as a committee of public health:
- Thos. E. Kilby, governor, ex officio chairman, Montgomery.
- S. W. Welch, M. D., Montgomery.
- W. D. Partlow, M. D., Tuscaloosa.
- J. N. Baker, M. D., Montgomery.
- V. P. Gaines, M. D., Mobile.
- S. G. Gay, M. D., Selma.
- W. R. Jackson, M. D., Mobile.
- W. S. Britt, M. D., Eufaula.
- H. S. Ward, M. D., Birmingham.
- B. L. Wyman, M. D., Birmingham.
- R. S. Hill, M. D., Montgomery.

Executive health officer:
- ***S. W. Welch, M. D.**, State health officer, Montgomery.

Registrar of vital statistics:
- *H. G. Perry, M. D., Montgomery.

State laboratory:
- *E. W. Cheyney, M. D., Montgomery.

State sanitary engineering:
- *G. H. Hazlehurst, C. E., M. C. E., Montgomery.

ALABAMA—Continued.

Assistant sanitary engineers:
- *J. C. Carter, E. M.
- *E. B. Johnson, C. P. H.
- *Wm. Ropes, C. E.
- *C. C. Walker, B. C. E.

County organization:
- *D. H. Swengel, M. D., acting director, Montgomery.

Public health nursing:
- *Jessie L. Marriner, R. N., Montgomery.

Venereal disease control:
- *W. C. Blasingame, A. M., Montgomery.

Field lecturer:
- A. J. Dickinson, D. D.

Communicable disease:
- *L. T. Lee, M. D., acting director, Montgomery.

Inspection:
- *C. A. Abele, Ch. E., Montgomery.

Chief clerk:
- *Fannie Kate Centerfit, Montgomery.

Appropriation for fiscal year ending September 30, 1922, $150,000.

[1] Reprints Nos. 83, 123, 190, 268, 344, 405, 488, 544, and 605 from the Public Health Reports.

ARIZONA.

Board of health:
Thomas E. Campbell, governor, president, Phoenix.
W. J. Galbraith, attorney general, vice president, Phoenix.
A. M. Tuthill, M. D., secretary, Phoenix.
Executive health officer:
A. M. Tuthill, M. D., State superintendent of public health, Phoenix.
Executive secretary:
*Hannah C. Egelston.
Registrar of vital statistics:
A. M. Tuthill, M. D., Phoenix.
Bureau for control of venereal diseases:
A. M. Tuthill, M. D., director, Phoenix.
Child hygiene department:
*Mrs. Chas. R. Howe, director.
Tuberculosis department:
*T. C. Cuvellier, director.
Statistician:
*Ruth W. Fritschi.
Appropriations for fiscal year ending June 30, 1922:

Operating expense	$10,250
Child hygiene	3,000
Tuberculosis	3,000
Venereal diseases	3,000
Bulletin and publicity	2,000
Miscellaneous	1,000
Total	22,250

Publication issued by health department:
Quarterly bulletin.

ARKANSAS.

Board of health:
F. O. Mahony, M. D., president, El Dorado.
C. F. Crosby, M. D., Heber Springs.
H. L. Montgomery, M. D., Gravelly.
H. R. Webster, M. D., Texarkana.
O. L. Williamson, M. D., Marianna.
Leonidas Kirby, M. D., Harrison.
S. A. Southall, M. D., Lonoke.
Executive health officer:
***C. W. Garrison, M. D.**, State health officer, Little Rock.
Bureau of vital statistics:
***Mrs. Mary Ellis Brown**, statistician, Little Rock.
Hygienic laboratory:
*Gordon E. Davis, acting director, Little Rock.
Chief hotel inspector:
J. P. Clegg, Siloam Springs.
Sanitary engineer:
*M. Z. Bair, Little Rock.
Appropriations for biennial period ending June 30, 1923:

Executive department—salaries and miscellaneous	$27,800
Bureau of vital statistics—salaries and miscellaneous	31.000
Bureau of venereal disease control	25,000
Malaria control	10,000
Total	93,800

ARKANSAS—Continued.

Other sources of revenue:
Fees for marriage licenses, 50 cents each, are deposited in the State treasury to maintain the central bureau of vital statistics.
License fees for hotels, restaurants, and rooming houses are deposited in the State treasury to maintain the bureau of sanitation.

CALIFORNIA.

Board of health:
George E. Ebright, M. D., president, San Francisco.
Fred F. Gundrum, M. D., vice president, Sacramento.
Walter M. Dickie, M. D., secretary, Sacramento.
Walter Lindley, M. D., Los Angeles.
Edward F. Glaser, M. D., San Francisco.
Adelaide Brown, M. D., San Francisco.
Robert A. Peers, M. D., Colfax.
Attorney for board of health:
John C. McFarland, Los Angeles.
Executive health officer:
***Walter M. Dickie, M. D.**, secretary and executive officer, State board of health, Sacramento.
*Mason E. Franklin, assistant to secretary, Sacramento.
District health officers:
*Allen F. Gillihan, M. D., northern division.
*Galvin Telfer, M. D., southern division.
Sanitary inspector:
*Edward T. Ross; Sacramento.
Dental hygienist:
*Charlotte Greenhood, San Francisco.
Bureau of vital statistics:
*L. E. Ross, director, Sacramento.
Bureau of registration of nurses:
*Anne C. Jamme, R. N., director, Sacramento.
Bureau of tuberculosis:
*Edith L. M. Tate-Thompson, director, Sacramento.
Bureau of food and drugs:
*Erwin J. Lea, director, Berkeley.
Bureau of communicable diseases:
*W. H. Kellogg, M. D., director, Berkeley.
Bureau of social hygiene:
*Elizabeth McManus, director, Los Angeles.
Bureau of sanitary engineering:
*Ralph Hilscher, C. E., director, Berkeley.
Bureau of child hygiene:
*Ethel M. Walters, M. D., director, San Francisco.
Appropriations for biennial period ending June 30, 1923:

Statutory salaries	$47,800
Traveling and contingent (including printing)	60,000
Support of district health officers	27,500
Support of food and drug laboratory	69,355
Support of hygienic laboratory	86,990
Sanitary inspectors	35,400
Vital statistics	42,000
Contagious diseases	40,650
Bureau of child hygiene	38,560

CALIFORNIA—Continued.

Appropriations for biennial period ending June 30, 1923—Continued.

Bureau of social hygiene	$51,660
Bureau of sanitary engineering	68,770
Tuberculosis—Subsidy and administration (Administration, $60,000.)	600,000
Public health nurses	10,000
Malaria control (emergency)	20,000
Plague and parasitology (emergency)	5,000
Dental hygiene	15,000
Total	1,218,625

Other sources of revenue:
- Fees for registration of nurses, $15 each.
- Renewal of registration certificate, $1 per year.
- Licensing of cold-storage warehouses, rated according to capacity.
- Fees for certified copies of records.

Publications issued by health department:
- Biennial report.
- Monthly bulletin.
- Weekly newsletter.

COLORADO.

Board of health:
- Wm. H. Sharpley, M. D., president, Denver.
- G. K. Olmsted, M. D., vice president, Denver.
- R. L. Drinkwater, M. D., secretary, Denver.
- C. W. Thompson, M. D., Pueblo.
- Tracy R. Love, M. D., Denver.
- G. W. Bumpus, D. O., Denver.
- Sherman Williams, M. D., Denver.
- Hugh F. Lorimer, M. D., Ordway.
- J. M. Barney, M. D., Denver.

Executive health officer:
- **R. L. Drinkwater, M. D.**, secretary State board of health, Denver.

Bacteriologist:
- Wm. C. Mitchell, M. D., Denver.

Medical inspector:
- *J. W. Morgan, M. D., Denver.

State food and drug commissioner:
- *Wilbur F. Cannon, Denver.

Division of venereal diseases:
- *S. R. McKelvey, M. D., director, Denver.

Appropriations for fiscal year ending Nov. 30, 1921:

Salaries	$21,900
Detention home fund	[1] 25,000
Laboratory equipment	[1] 10,000
Printing and publications	1,250
Traveling expenses	4,800
Samples and supplies	600
Venereal diseases	20,000
Incidental expenses	[1] 2,000
Total	85,550

CONNECTICUT.

Public health council:
- Edward K. Root, M. D.
- S. B. Overlock, M. D.
- C.-E. A. Winslow, D. P. H.
- James W. Knox.
- Robert A. Cairns, C. E.
- James A. Newlands, B. S.

[1] Years 1921 and 1922.

CONNECTICUT—Continued.

Executive health officer:
- ***John T. Black, M. D.**, commissioner of health, Hartford.

Laboratory director:
- C. J. Bartlett, M. D.

Sanitary engineering:
- J. Frederick Jackson, C. E., director.

Preventable diseases:
- *Stanley H. Osborn, M. D., director.

Vital statistics:
- ———, director.

Bureau of child hygiene and public health nursing:
- *Margaret K. Stack, R. N., director.

Division of venereal diseases:
- Daniel E. Shea, M. D., director.

Appropriations for fiscal year ending June 30, 1922:

General administrative expenses	$15,500
Salary commissioner	4,000
Purchase and free distribution of antitoxin	12,500
Preventable diseases	15,000
Vital statistics	12,500
Sanitary engineering	12,500
Laboratory	25,000
Child hygiene	18,000
Venereal disease control work	10,000
Mental hygiene	3,000
Total	128,000

Available for laboratory construction 95,748.42

Other sources of revenue:
- Medical practice, registration fees.

Publications issued by health department:
- Monthly bulletin.
- Annual vital statistics report.
- Biennial report of State department of health.
- First and second biennial reports of the industrial wastes board.
- Health and safety manual for teachers.
- Compilation of health laws.
- House fly as a disease carrier and how controlled.

DELAWARE.

Board of health:
- Wm. P. Orr, M. D., president, Lewes.
- L. S. Conwell, M. D., secretary, Dover.
- J. W. Clifton, M. D., Smyrna.
- W. F. Haines, M. D., Seaford.
- C. A. Ritchie, M. D., Wilmington.
- G. W. K. Forrest, M. D., Wilmington.
- Edgar Q. Bullock, M. D., Wilmington.

Executive health officer:
- **L. S. Conwell, M. D.**, secretary State board of health, Dover.

Pathologist and bacteriologist:
- *Herbert J. Watson, Newark.

Appropriations for the fiscal year ending Jan. 5, 1922:

State board of health	$6,000
Laboratory	10,000
Vital statistics	2,000
Diphtheria antitoxin and immunizing agents	5,000
Venereal disease control work	2,500
Supervising nurse for midwives	2,000
Total	27,500

DISTRICT OF COLUMBIA.

Executive health officer:
*Wm. C. Fowler, M. D., health officer, Washington.
Assistant health officer:
*Lewis A. Newfield, M. D., Washington.
Chief clerk and deputy health officer:
*Arthur G. Cole, Washington.
Chief bureau of preventable diseases and director bacteriological laboratory:
*Francis M. Munson. M. D., Washington.
Bacteriologist:
*John A. Noble. Washington.
Serologist:
*W. F. Landon, Washington.
Chemist:
*Thomas Malcolm Price, Ph. D., Washington.
Chief sanitary inspector:
*C. R. Holman, Washington.
Chief food inspector:
*Reid R. Ashworth, D. V. S., Washington.
Chief medical and sanitary inspector of schools:
*Joseph A. Murphy, M. D., Washington.
Appropriations for the fiscal year ending June 30, 1922:

Salaries	$100,890
Prevention of communicable diseases	40,000
Disinfecting service	7,000
Isolation wards at hospitals	16,500
Milk and food inspection and regulation	8,700
Dispensary service including treatment of tuberculosis and venereal disease	12,500
Examination, advice, and care of children under 6 years of age under contract with child-welfare society	18,000
Miscellaneous	15,450
Total	219,040

Publications issued by health department:
Weekly report by health department.
Annual report of health officer.
Monthly statement of average grade of milk sold.

FLORIDA.

Board of health:
Calvin T. Young, M. D., president, Plant City.
Charles H. Mann, Jacksonville.
F. Clifton Moor, M. D., Tallahassee.
Executive health officer:
*Raymond C. Turck, M. D., State health officer, Jacksonville.
Bureau of vital statistics:
*Stuart G. Thompson, D. P. H., director, Jacksonville.
Bureau of sanitary engineering:
*George W. Simons, jr., director, Jacksonville.
Bureau of diagnostic laboratories:
*B. L. Arms, M. D., director, Jacksonville.
Bureau of communicable diseases and health units:
*George A. Dame, M. D., director, Jacksonville.
Bureau of child welfare:
*William B. Keating, M. D., director, Jacksonville.

FLORIDA—Continued.

Appropriations for health department:
One-quarter mill tax levied upon the assessable property of the State; reduced from one-half mill by 1921 legislature.
Fiscal year ends December 31.
Publications issued by health department:
Pamphlets covering all phases of public health.
Public health information disseminated through the weekly and daily papers of the State.

GEORGIA.

Board of health:
W. H. Doughty, jr., M. D., president, Augusta.
James H. McDuffie, M. D., vice president, Columbus.
T. F. Abercrombie, M. D., secretary, Atlanta.
Chas. H. Richardson, M. D., Macon.
A. D. Little, M. D., Thomasville.
John W. Daniel, M. D., Savannah.
B. C. Teasley, M. D., Hartwell.
A. L. Crittenden, M. D., Shellman.
Robert F. Maddox, Atlanta.
A. C. Shamblin, M. D., Rome.
J. C. Verner, M. D., Commerce.
J. L. Walker, M. D., Waycross.
M. S. Brown, M. D., Fort Valley.
M. L. Brittain, State superintendent of schools, ex officio, Atlanta.
Peter F. Bahnsen, State veterinarian, ex officio, Atlanta.
Executive health officer:
*T. F. Abercrombie, M. D., commissioner, Atlanta.
*Joe P. Bowdoin, M. D., deputy commissioner, Atlanta.
Division of venereal disease control:
*Joe P. Bowdoin, M. D., director, Atlanta.
Division of county health work:
*M. F. Haygood, M. D., director, Atlanta.
Division of laboratories:
*T. F. Sellers, M. Sc., director, Atlanta.
Division of sanitary engineering:
*H. C. Woodfall, director, Atlanta.
Division of serology:
*E. L. Webb, A. B., director, Atlanta.
State tuberculosis sanatorium:
*Edson W. Glidden, 2d, M. D., superintendent, Alto.
Bureau of vital statistics:
*W. A. Davis, M. D., director, Atlanta.
Division of child hygiene:
*Dorothy Bocker, M. D., director, Atlanta.
Georgia training school for mental defectives:
*Geo. H. Preston, M. D., Gracewood.
Appropriations for the fiscal year ending Dec. 31, 1921:

General appropriation	$75,590
State tuberculosis sanatorium	56,000
Venereal disease control	15,000
Total appropriation by legislature	146,590
Venereal disease control (Federal Government funds)	15,000
Rural sanitation (International Health Board funds)	5,000
Total	166,590

HAWAII.

Board of health:
F. E. Trotter, M. D., president and executive officer, Honolulu.
Harry Irwin, attorney general, Honolulu.
P. Withington, M. D., Honolulu.
D. S. Bowman, Honolulu.
R. A. McNally, Honolulu.
J. Ordenstein, Honolulu.
S. S. Paxson, Honolulu.

Executive health officer:
***F. E. Trotter, M. D.**, president of the board of health, Honolulu.

Secretary:
*M. R. Weir, Honolulu.

Bacteriologist:
A. N. Sinclair, M. D., Honolulu.

Tuberculosis bureau:
A. L. Davis, M. D., director, Honolulu.

Medical inspector of schools:
A. L. Davis, M. D., Honolulu.

Health officer:
James T. Wayson, M. D., Honolulu.

Sanitary engineer:
*S. W. Tay, Honolulu.

Food commissioner and analyst:
*M. B. Bairos, Honolulu.

Oahu insane asylum:.
*W. A. Schwallie, M. D., superintendent, Honolulu.

Leper settlement:
*J. D. McVeigh, superintendent, Kalaupapa, Molokai.
*W. J. Goodhue, M. D., resident physician, Kalaupapa, Molokai.

Chiefsanitary inspector, Hawaii:
C. Charlock, Hilo.

Chiefsanitary inspector, Maui:
G. Weight, Wailuku.

Chiefsanitary inspector, Kauai:
F. B. Cook, Waimea.

Appropriations for the biennial period ending June 30, 1923:

General expense	$67,300
Vital statistics	17,680
Sanitary engineering	15,600
Sanitation	147,240
Pure food	22,500
Bacteriological bureau	18,000
Quarantine and medical service	127,340
Rat campaign	24,000
Mosquito campaign	4,800
Medical and dental supervision and treatment of school children	54,000
Tuberculosis	302,000
Care of lepers and their children	632,370
Care of the insane	293,596
Miscellaneous	6,150
Total	1,732,576

Publications issued by health department:
Annual report of president.
Registrar-General's report.

IDAHO.

Department of public welfare:
David Burrell, commissioner.
F. W. Almond, M. D., medical advisor.
Paul A. Mader, bacteriologist.
Edw. F. Rodenbaugh, chemist.
A. H. Wilson, dairy, food, drug, hotel, and sanitary inspector.
C. K. Macey, dairy, food, drug, hotel, and sanitary inspector.

Executive health officer:
David Burrell, commissioner of public welfare, Boise.

Appropriations for biennial period ending Jan. 3, 1923:

Salaries and wages:

Commissioner	$7,200
Medical advisor	10,000
Bacteriologist	4,800
Chemist	4,000
Inspector	4,800
Inspector	4,000
Other salaries	12,800
Expenses other than salaries	14,700
Venereal disease control	5,000
Total	67,300

The above appropriations are made to cover a period of two years.

ILLINOIS.

Director of public health:
***Isaac D. Rawlings, M. D.**, Springfield.

Assistant director of public health:
*Thomas H. Leonard, M. D.

Division of sanitation and engineering:
*Harry F. Ferguson, C. E., chief sanitary engineer.

Division of communicable diseases:
*J. J. McShane, M. D., D. P. H., chief.

Division of child hygiene and public health nursing:
*C. W. East, M. D., chief.

Division of tuberculosis:
*Thomas H. Leonard, M. D., acting chief.

Division of diagnostic laboratory:
*Thomas G. Hull, Ph. D., chief.

Division of biologic and research laboratories:
*Thomas G. Hull, Ph. D., chief of laboratories.

Division of vital statistics:
*Sheldon L. Howard, registrar.

Division of public health instruction:
*Baxter K. Richardson, chief.

Division of social hygiene:
*C. C. Copelan, M. D., chief.

Division of hotel and lodging-house inspection:
*W. W. McCulloch, superintendent.

Appropriations for fiscal year ending June 30, 1922:

Salaries	$318,960
Office expenses	16,495
Traveling expenses	77,300
Operating, supplies and expenses	85,000

ILLINOIS—Continued.

Appropriations for fiscal year ending June 30, 1922—Continued.

Equipment and repairs	$17,514
Contingent	34,400
Printing	20,500
Total	570,169

Publications issued by health department:
Illinois Health News (monthly).
Social Hygiene (monthly).

INDIANA.

Board of health:
John H. Hewitt, M. D., president, Terre Haute.
Hugh A. Cowing, M. D., vice president, Muncie.
Chas. B. Kern, M. D., La Fayette.
Adah McMahan, M. D., La Fayette.
J. N. Hurty, M. D., secretary, Indianapolis.

Executive health officer:
***J. N. Hurty, M. D.**, State health commissioner, Indianapolis.

Assistant State health commissioner:
*W. F. King, M. D., Indianapolis.

Division of statistics:
*H. M. Wright, director, Indianapolis.

Laboratory of hygiene:
*Wm. Shimer, M. D., director, Indianapolis.

Division of food and drugs:
*Ivy Miller, State food and drug commissioner, Indianapolis.

Traveling milk laboratory:
*Frank C. Wilson, director.

Water and sewage laboratory:
*L. A. Geupel, sanitary engineer, Indianapolis.

Division of child hygiene:
*Ada E. Schweitzer, M. D., director, Indianapolis.

Division of tuberculosis:
*H. W. McKane, M. D., director, Indianapolis.

Division of epidemiology:
*Wm. Shimer, M. D., director, Indianapolis.

Division of venereal diseases:
*W. F. King, M. D., director, Indianapolis.

Division of school hygiene:
*H. R. Condrey, director, Indianapolis.

Division of housing:
*W. F. Sharpe, director, Indianapolis.

Appropriations for the fiscal year ending Sept. 30, 1921:

Salaries (specific)	$3,000
Board of health office	30,000
Food and drugs	30,000
Weights and measures	10,000
Laboratory of hygiene	12,000
Hydrophobia fund	6,000
Baby book	5,000
Division of tuberculosis	10,000
Division of infant and child hygiene	15,000
Division of rural hygiene	25,000
Division of venereal diseases	33,000
Total	179,000

Appropriations for the fiscal year ending Sept. 30, 1922:

Salaries (specific)	4,000
Board of health office	30,000
Food and drugs	30,000

INDIANA—Continued.

Appropriations for the fiscal year ending Sept. 30, 1922—Continued.

Weights and measures	$10,000
Laboratory of hygiene	12,000
Hydrophobia fund	6,000
Baby book	5,000
Division of tuberculosis	10,000
Division of infant and child hygiene	20,000
Division of rural hygiene	25,000
Division of venereal diseases	42,300
Housing	15,000
Total	209,300

Publication issued by health department:
Monthly bulletin.

IOWA.

Board of health:
Frank T. Launder, M. D., president, Garwin.
N. E. Kendall, governor, Des Moines.
W. C. Ramsay, secretary of state, Des Moines.
G. C. Haynes, auditor of state, Des Moines.
W. J. Burbank, treasurer of state, Des Moines.
Hans V. Pedersen, sanitary engineer, Des Moines.
G. F. Severs, M. D., Centerville.
Henry C. Eschbach, M. D., Albia.
C. S. Grant, M. D., Iowa City.

Executive health officer:
***Guilford H. Sumner, M. D.**, State health commissioner, Des Moines.

Assistant secretary:
*H. W. Grefe, Des Moines.

Chief clerk:
*L. V. Clemens, Des Moines.

Laboratories:
*Don M. Griswold, M. D., director, Iowa City.

Sanitary engineer:
*Hans V. Pedersen, Des Moines.

Bureau of venereal diseases:
W. S. Conkling, M. D., director.

Lecturer in charge of women's work:
Jeannette F. Throckmorton, M. D.

State housing commissioner:
*Edwin H. Sands.

Appropriations for fiscal year ending June 30, 1922:

State board of health work	$10,000
Housing department	5,000
Bacteriological laboratory	15,000
Antitoxin department	2,000
Vital statistics	10,000
Salaries of employees	11,400
Social hygiene	25,000
Total	78,400

The above does not include special appropriation for clerical assistance.

Publications issued by health department:
Biennial report.
Quarterly bulletin.

KANSAS.

Board of health:
H. L. Aldrich, M. D., president, Caney.
W. M. Earnest, M. D., vice president, Washington.
Clay E. Coburn, M. D., Kansas City.

KANSAS—Continued.

Board of health—Continued.
O. D. Walker, M. D., Salina.
J. T. Axtell, M. D., Newton.
C. H. Ewing, M. D., Larned.
J. J. Entz, M. D., Hillsboro.
C. H. Lerrigo, M. D., Topeka.
Belle Little, M. D., Manhattan.
J. G. Egan, attorney.

Executive health officer:
S. J. Crumbine, M. D., U. S. P. H. S. (Reserve), secretary State board of health, Topeka.

Division of vital statistics:
Chas. H. Lerrigo, M. D., State registrar, Topeka.

Division of communicable diseases and sanitation:
A. J. Warren, M. D., chief, Topeka.

Division of food and drugs:
Frank Rowland, assistant chief food and drug inspector, Topeka.

Division of child hygiene:
Helen Moore, M. D., chief, Topeka.

Division of water and sewage:
Prof. Albert Jewell, chief, Lawrence.

Division of public health education:
S. J. Crumbine, M. D., director, Topeka.

Division of venereal diseases:
B. K. Kilbourne, M. D., U. S. P. H. S. (Reserve), director, Topeka.

Water and sewage laboratories at Kansas University:
Prof. Albert Jewell, director, Lawrence.

Food laboratory at Kansas University:
Prof. E. H. S. Bailey, director of food analyses, Lawrence.

Drug laboratory at Kansas University:
Prof. L. E. Sayre, director of drug analyses, Lawrence.

Food laboratory at Kansas Agricultural College:
Prof. Wm. King, director of food analyses, Manhattan.

Director of laboratories:
William Levin, D. P. H., Topeka.

Appropriations for the fiscal year ending June 30, 1922:

Salaries	$23,700
Miscellaneous	8,000
Water and sewage division	5,000
Free distribution of antitoxins, etc.	2,500
Suppression of communicable diseases	10,000
Public health exhibit car	3,000
Laboratory of hygiene	5,000
Division of child hygiene	7,500
Division of food and drugs	7,500
Division of venereal diseases	7,500
Total	79,700

Other sources of revenue:
Marriage fees, approximately, $11,000.
Water and ice analyses fees, approximately, $14,000.
Food and drug laboratories at Kansas University maintained by university maintenance fund, and food laboratory at Kansas Agricultural College maintained by agricultural college maintenance fund.

Publications issued by health department:
Monthly bulletin.
Biennial report.

KENTUCKY.

Board of health:
John G. South, M. D., president, Frankfort.
W. W. Richmond, M. D., Clinton.
George T. Fuller, M. D., Mayfield.
H. H. Carter, D. O., Shelbyville.
Joseph E. Wells, M. D., Cynthiana.
George S. Coon, M. D., Louisville.
F. A. Stine, M. D., Newport.
O. C. Dilly, M. D., Louisville.
A. T. McCormack, M. D., secretary, Louisville.

Executive health officer:
***A. T. McCormack, M. D.**, State health officer, Louisville.

Bureau of sanitation:
*J. N. McCormack, M. D., director, Louisville.

Bureau of vital statistics:
*J. F. Blackerby, director, Louisville.

Bureau of bacteriology:
*Lillian H. South, M. D., director, Louisville.

Bureau of sanitary engineering:
*F. C. Dugan, State sanitary engineer, Louisville.

Bureau of pure food and drugs:
*Sarah H. Vance, director, Louisville.

Bureau of venereal diseases:
*Jethra Hancock, M. D., Louisville.

Bureau of tuberculosis:
*J. S. Lock, M. D., director, Louisville.

Bureau of public health nursing:
*Marian Williamson, R. N., director, Louisville.

Bureau of child hygiene:
Annie Veech, M. D., Louisville.

Bureau for prevention of trachoma and blindness:
*C. F. Kober, director, Lebanon.

Bureau of public health education:
*Mrs. Jane T. Dahlman, director, Louisville.

Bureau of housing:
*J. C. Murphy, director, Louisville.

Bureau of county health work:
*P. E. Blackerby, M. D., director, Louisville.

Appropriations for fiscal year ending June 30, 1921. $257,500.

Publication issued by health department:
Monthly bulletin.

LOUISIANA.

Board of health:
Oscar Dowling, M. D., president, New Orleans.
J. M. Mosely, M. D., Arcadia.
T. T. Tarlton, M. D., Grand Coteau.
L. C. Chamberlain, M. D., New Orleans.
T. A. Roy, M. D., Mansura.
B. A. Ledbetter, M. D., New Orleans.
M. W. Swords, M. D., secretary, New Orleans.

Executive health officer:
***Oscar Dowling, M. D.**, president State board of health, New Orleans.

Bacteriologist:
W. H. Seemann, M. D., New Orleans.

Registrar:
J. Geo. Dempsey, M. D., New Orleans.

Sanitary engineer:
John H. O'Neill, New Orleans.

Child hygiene:
Agnes Morris, New Orleans.
Maud Loeber, M. D., medical lecturer, New Orleans.

LOUISIANA—Continued.

Public health nursing:
Mrs. M. Coale Alpha, New Orleans.
Chemists:
J. Roy Keeny, Phar. D., New Orleans.
Leonard C. Scott, M. D., Ph. D., New Orleans.
Bureau of venereal diseases:
Robt. C. Howe, M. D., U. S. P. H. S., New. Orleans.
Appropriations for fiscal year ending June 30, 1922:

Isolation hospital at Alexandria	$12,500
Venereal disease control work	12,500
General	75,000
Total	100,000

Other source of revenue:
Fees from inspection of oil.
Publications issued by health department:
Monthly bulletin.
Quarterly bulletin.
Annual almanac.
Biennial report.
Miscellaneous leaflets.

MAINE.

Public health council:
S. J. Beach, M. D., Portland.
Hiram W. Ricker, South Poland.
R. D. Small, M. D., Portland.
J. Q. Guinac, Bangor.
Executive health officer:
C. F. Kendall, M. D., State commissioner of health, Augusta.
Division of administration:
*———— ————.
Division of communicable diseases:
*A. G. Young, M. D., director, Augusta.
Division of diagnostic laboratories:
*H. E. Thompson, M. D., director, Augusta.
Division of sanitary engineering:
*P. C. McGouldrick, director, Augusta.
Division of vital statistics:
*C. F. Kendall, M. D., State registrar, Augusta.
Division of venereal diseases:
*George H. Coombs, M. D., director, Augusta.
Division of public health nursing and child hygiene:
*Edith L. Soule, R. N., director, Augusta.
District health officers:
*————, Biddeford.
*E. P. Goodrich, M. D., Lewiston.
*J. W. Loughlin, M. D., Damariscotta.
*————, Waterville.
*H. D. Worth, M. D., Bangor.
*J. F. Stevens, M. D., Millinocket.
*G. H. Hutchins, M. D., Presque Isle.
*A. L. Smith, M. D., Machias.
Appropriations for fiscal year ending June 30, 1922:

Salaries and clerk hire	$28,000
Office expense and epidemic fund	18,000
District and local health officers	35,000
Venereal disease control work	10,000
Total	91,000

Other source of revenue:
Census Bureau, Washington, D. C., about $800.
Publications issued by the department of health:
Annual report of department of health.
Annual report on vital statistics.
Monthly scientific bulletin.

MARYLAND.

Board of Health:
Wm. H. Welch, M. D., president, Baltimore.
Alexander Armstrong, attorney general, Baltimore.
John S. Fulton, M. D., secretary, Baltimore.
Wm. W. Ford, M. D., Baltimore.
C. Hampson Jones, M. D., Baltimore.
Tolley A. Blays, Baltimore.
Benjamin C. Perry, Bethesda.
E. F. Kelly, Phar. D., Baltimore.
Executive health officer:
***John S. Fulton, M. D.,** State health officer, Baltimore.
Bureau of communicable diseases:
*Robert H. Riley, M. D., chief, Baltimore.
Bureau of vital statistics:
Frederic V. Beitler, M. D., chief, Baltimore.
Food and drug commissioner:
*A. L. Sullivan, chief, Baltimore.
Bureau of bacteriology:
*R. C. Salter, chief, Baltimore.
Bureau of sanitary engineering:
Robert B. Morse, C. E., chief, Baltimore.
Bureau of chemistry:
Wyatt W. Randall, Ph. D., chief, Baltimore.
Division of accounts and property:
*Walter N. Kirkman, chief, Baltimore.
Appropriations for fiscal year ending Sept. 30, 1921:

Salaries	$156,000
Expenses	84,000
Total	240,000

Publications issued by the health department:
Annual report.
Health officer's bulletin.

MASSACHUSETTS.

Public health council:
Eugene R. Kelley, M. D., chairman, Boston.
Roger I. Lee, M. D., Cambridge.
J. E. Lamoureaux, M. D., Lowell.
Richard C. Strong, M. D., Boston.
G. C. Whipple, Cambridge.
Warren C. Jewett, Worcester.
Sylvester Ryan, M. D., Springfield.
Executive health officer:
***Eugene R. Kelley, M. D.,** State commissioner of public health, Boston.
Division of sanitary engineering:
*X. H. Goodnough, director and chief engineer, Boston.
Division of water and sewer laboratories:
*H. W. Clark, director and chemist, Boston.
Division of communicable diseases:
*Bernard W. Carey, M. D., director, Winthrop.
*L. M. French, M. D., epidemiologist.
*Edith A. Beckler, bacteriologist, Boston.
Division of hygiene:
*Merrill E. Champion, M. D., director, Cambridge.
Division of food and drugs:
*Herman C. Lythgoe, director and analyst, Newton.
Division of biologic laboratories:
*G. Benjamin White, Ph. D., director and pathologist, Boston.

MASSACHUSETTS—Continued.

Division of biological laboratories—Continued.
Antitoxin and vaccine laboratory:
——— ———, assistant director, Boston.
Wassermann laboratory:
W. A. Hinton, M. D., assistant director, Canton.
Milton J. Rosenau, M. D., consulting pathologist and bacteriologist, Boston.
Division of tuberculosis (sanatoria):
*Sumner H. Remich, M. D., Reading.
Appropriations for fiscal year ending Nov. 30, 1921:

Division of administration	$31,200.00
Division of hygiene	44,000.00
Division of communicable diseases	79,090.00
Division of venereal diseases	21,670.00
Production and distribution of antitoxin and vaccine	53,460.00
Wassermann laboratory	9,700.00
Manufacture and distribution of arsphenamine	11,166.00
Division of food and drug inspection	40,930.00
Division of water supply and sewage disposal	74,675.00
An investigation relative to water-supply needs and resources	75,000.00
State examiners of plumbers	4,700.00
Division of tuberculosis	156,860.00
Maintenance of four sanatoria (tuberculosis)	961,046.90
Maintenance of Peinkese Hospital (leprosy)	[1] 17,000.00
Total	1,580,497.90

Publications issued by health department:
Monthly bulletin.
Annual report.
Miscellaneous pamphlets dealing with health matters.

MICHIGAN.

Public health council:
Guy L. Kiefer, M. D., president, Detroit.
James G. Turner, M. D., vice president, Houghton.
C. C. Siemons, M. D., Grand Rapids.
Frank M. Gowdy, M. D., St. Joseph.
Leland W. Carr, Lansing.
Executive health officer:
*Richard M. Olin, M. D., State health commissioner, Lansing.
Deputy health commissioner:
George H. Ramsey, M. D., Lansing.
Bureau of engineering:
E. D. Rich, C. E., State sanitary engineer director, Lansing.
Bureau of laboratories:
C. C. Young, Ph. D., director.
Minna Crooks, R. N., bacteriologist.
R. L. Kahn, immunologist.
Allan Lemon, clinical pathologist.
S. R. Johnson, D. V. S., veterinary pathologist.
Ernest Badger, chemist, water and sewage.
Chas. L. Bliss, physiological chemist.

[1] Six months.

MICHIGAN—Continued.

Bureau of nursing and child hygiene:
Harriet Leck, R. N., director.
Bureau of communicable diseases:
W. J. V. Deacon, M. D., D. P. H., director.
Bureau of dentistry:
Kenneth R. Gibson, D. D. S., director.
Bureau of institutional health administration:
Robert A MacGregor, M. D., director.
Bureau of education:
Marjorie Delavan, director.
Bureau of embalming:
F. J. Pienta, director.
Appropriations for fiscal year ending June 30,1922:

Personal service	$167,690
Supplies	26,855
Contractual service	25,000
Hospitalization, care and treatment	25,000
Maintenance of equipment	335
Laboratory equipment	28,603
Other equipment	6,120
Total	279,603

Publications issued by health department:
Monthly bulletin.
Annual report.
Communicable disease pamphlets.
Sex hygiene pamphlets.
Engineering bulletin.

MINNESOTA.

Board of health:
Egil Boeckmann, M. D., president, St. Paul.
C. L. Scofield, M. D., vice president, Benson.
N. M. Watson, M. D., Red Lake Falls.
A. E. Hedback, M. D., Minneapolis.
S. Mark White, M. D., Minneapolis.
L. P. Wolff, C. E., St. Paul.
O. W. Holcomb, M. D., St. Paul.
F. N. Hunt, M. D., Fairmont.
F. W. Cappelen, C. E., Minneapolis.
Executive health officer:
*A. J. Chesley, M. D., secretary and executive officer, St. Paul.
Division of records:
*O. C. Pierson, director, St. Paul.
Division of preventable diseases:
O. McDaniel, M. D., director, Minneapolis.
Division of sanitation:
*H. A. Whittaker, director, Minneapolis.
Division of vital statistics:
*Mrs. Gerda C. Pierson, director, St. Paul.
Division of venereal diseases:
H. G. Irvine, M. D., director, St. Paul.
*L. W. Feezer, assistant director, St. Paul.
*Margaret Sheridan, educational supervisor.
*Audrey Walton, chief social worker.
Appropriations for fiscal years ending July 31, 1922 and 1923:

General fund	$20,000
Vital statistics	10,000
Communicable diseases	25,000
Laboratories	40,000
Sanitary engineering	7,000
Free antitoxin	10,000
Prevention of blindness	1,000
Venereal diseases	30,000
Total	143,000

MINNESOTA—Continued.

Other source of revenue:
Aid from county and city for branch laboratory at Duluth, $900.
Publications issued by health department:
Educational pamphlets.
Biennial report.

MISSISSIPPI.

Board of health:
W. W. Hall, M. D., president, Shelby.
J. H. McNeill, M. D., Olive Branch.
B. Lampton Crawford, M. D., Tylertown.
T. F. Elkin, M. D., Tupelo.
H. F. Garrison, M. D., Clinton.
L. L. McDougal, M. D., Booneville.
C. D. Mitchell, M. D., Jackson.
I. L. Parsons, M. D., Brookhaven.
T. W. Reagan, M. D., Union.
E. M. Gavin, M. D., Ovett.
W. H. Watson, M. D., Brandon.
J. H. Windham, M. D., Ecru.
Executive health officer:
***W. S. Leathers, M. D.**, secretary State board of health, Jackson.
Bureau of vital statistics:
*R. W. Hall, M. D., director, Jackson.
Bureau of child welfare:
*F. J. Underwood, M. D., director, Jackson.
Hygienic laboratory:
*C. R. Stingily, M. D., director, Jackson.
Bureau of sanitary inspection:
*Cyrus M. Shipp, M. D., chief sanitary inspector, University.
H. A. Kroeze, C. E., sanitary engineer, Jackson.
Bureau of rural sanitation:
*W. S. Leathers, M. D., acting director, Jackson.
Bureau of venereal diseases:
*Hardie Hays, M. D., director.
Bureau of public health nursing:
*Mary D. Osborne, R. N., director, Jackson.
Appropriations for fiscal year ending Dec. 31, 1921:

Administrative office	$30,000
Bureau of vital statistics	12,000
Municipal sanitation	12,000
Rural sanitation	40,000
Hygienic laboratory	20,000
Child welfare	30,000
Venereal diseases	20,000
Total	164,000

Publications issued by health department:
Biennial report.
Monthly bulletin.

MISSOURI.

Board of health:
Emmett P. North, M. D., president, St. Louis.
Franklin E. Murphy, M. D., vice president, Kansas City.
Cortez F. Enloe, M. D., secretary, Jefferson City.
R. S. Vitt, M. D., St. Louis.
E. E. Brunner, M. D., Carrollton.
T. A. Son, M. D., Bonne Terre.
T. H. Wilcoxen, M. D., Bowling Green,

MISSOURI—Continued.

Executive health officer:
***Cortez F. Enloe**, M. D., secretary State board of health and State commissioner of health, Jefferson City.
Division of venereal diseases:
*R. L. Russell, M. D., director, Jefferson City.
Division of child hygiene:
*Irl Brown Krause, M. D., director, Jefferson City.
Statistician:
*Jas. Wark, Jefferson City.
Appropriations for biennial period ending Dec. 31, 1922:

Board of health fund, bureau of licensure	$15,000
Salaries	49,600
Division of venereal diseases	19,000
Public health and child hygiene exhibits	5,000
Traveling expenses	10,000
Printing	9,000
Postage	4,000
Laboratory and contingent expense	4,000
Cooperative rural sanitation fund	20,000
Total	135,600

MONTANA.

Board of health:
L. H. Fligman, M. D., president, Helena.
B. L. Pampel, M. D., vice president, Livingston.
D. J. Donohue, M. D., Butte.
E. G. Balsam, M. D., Billings.
E. M. Porter, M. D., Great Falls.
Executive health officer:
***W. F. Cogswell, M. D.**, secretary, Helena.
Division of communicable diseases:
*John J. Sippy, M. D., epidemiologist, Helena.
Division of child welfare:
*Mary Margaret Muckley, R. N., director, Helena.
Division of food and drugs:
*H. M. Shea, director, Helena.
Division of social hygiene:
*F. J. O'Donnell, director, Helena.
Division of vital statistics:
*W. F. Cogswell, M. D., State registrar, Helena.
Division of water and sewage:
*W. M. Cobleigh, director, Bozeman.
*H. B. Foote, bacteriologist, Bozeman.
Water and sewage laboratory and food and drug laboratory:
*W. M. Cobleigh, director, Bozeman.
*R. C. Sherwood, analyst, Bozeman.
Hygienic laboratory:
*E. D. Hitchcock, M. D., director, Helena.
*Richard M. Johnson, assistant bacteriologist, Helena.
Appropriations for fiscal year ending June 30, 1922:

Salaries	$6,800
Division of child welfare	4,265
Expenses board of health	4,500
Hygienic laboratory	10,190
Inspection of water plants	4,325
Food and water laboratory	3,495

MONTANA—Continued.

Appropriations for fiscal year ending June 30, 1922.

Enforcing food and drug law	$4,690
Division of communicable diseases	11,930
Venereal disease control work	4,645
Board of entomology (spotted fever work)	9,600
Division of vital statistics	2,900
Total	67,340

Other sources of revenue:
Fees for embalmers' license.

Publications issued by health department:
Monthly bulletin.
Special bulletins on communicable diseases.
Biennial report.

NEBRASKA.

Department of public welfare:
*H. H. Antles, secretary, Lincoln.
Bureau of health—
Executive health officer and epidemiologist—
***I. H. Dillon, M. D.**, chief of bureau of health, Lincoln.
Bacteriologist—
*L. O. Vose, Lincoln.
Division of venereal diseases—
*P. H. Bartholomew, M. D., director, Lincoln.
Statistician—
*May F. Hyland, Lincoln.
Division of child hygiene—
*Margaret McGreevy, R. N., director.
Sanitary engineer—
*R. N. Tracy, C. E., Lincoln.
Medical examining board—
J. E. Spatz, M. D., Fairfield.
H. J. Lehnhoff, M. D., Lincoln.
E. T. McGuire, M. D., Mead.

Appropriations for biennial period ending June 30, 1923:

Salaries	$59,760
Maintenance	46,170
Total	105,930

NEVADA.

Board of health:
Emmet D. Boyle, governor, president, Carson City.
S. L. Lee, M. D., secretary, Carson City.
George Brodigan, secretary of state.
W. H. Hood, M. D., Reno.
Alice Thompson, M. D., Reno.

Executive health officer:
***S. L. Lee, M. D.**, secretary State board of health, Carson City.

State hygienic laboratory at State university:
Alice Thompson, M. D., director, Reno.

Appropriations for fiscal year ending Dec. 31, 1921:

Salary of secretary	$5,000
State board of health	3,300
Total	8,300

Publications issued by health department:
Biennial report.
Special bulletins.

NEW HAMPSHIRE.

Board of health:
Robert Fletcher, Ph. D., C. E., president, Hanover.
D. E. Sullivan, M. D., Concord.
George C. Wilkins, M. D., Manchester.
Sibley G. Morrill, M. D., Concord.
Albert O. Brown, governor, Manchester.
Oscar L. Young, attorney general, Laconia.

Executive health officer:
***Charles Duncan, M. D.**, secretary State board of health, Concord.

Laboratory of hygiene:
*Charles D. Howard, chemist, Concord.
*Clara Isreali, M. D., bacteriologist, Concord.
*Joseph X. Duval, inspector, Concord.
*Charles L. Pool, sanitary engineer.
Robert Fletcher, C. E., engineer, Hanover.

Bacteriological laboratory:
H. N. Kingsford, M. D., bacteriologist, Hanover.

Venereal disease division:
*Charles A. Weaver, M. D., Manchester.

Appropriations for fiscal year ending Aug. 31, 1922:

State board of health	$26,150
Laboratory of hygiene	15,500
Vital statistics	2,800
Total	44,450

Publications issued by health department:
Quarterly bulletin.
Biennial report.

NEW JERSEY.

Board of health:
Henry Spence, M. D., president, Jersey City.
Thomas B. Lee, M. D., vice president, Camden.
Oliver Kelly, Oak Tree.
Clyde Potts, C. E., Morristown.
H. E. Winter, V. M. D., Plainfield.
J. Oliver McDonald, M. D., Trenton.
Harold J. Harder, C. E., Paterson.
David D. Chandler, Newark.

Executive health officer:
***Jacob C. Price, M. D.**, director of health, Trenton.

Laboratory of hygiene:
*R. B. Fitz-Randolph, chief, Trenton.

Bureau of administration:
*Chas. J. Merrell, chief, Trenton.

Bureau of food and drugs:
*Walter W. Scofield, chief, Trenton.

Bureau of medical supervision:
*A. C. Hunt, M. D., chief, Trenton.

Bureau of child hygiene:
Julius Levy, M. D., consultant, Trenton.

Bureau of local health administration:
*David C. Bowen, chief, Trenton.

Bureau of engineering:
*H. P. Croft, chief, Trenton.

Bureau of vital statistics:
*David S. South, chief, Trenton.

Bureau of venereal disease control:
A. J. Casselman, M. D., chief, Trenton.

Appropriations for fiscal year ending June 30, 1922:

Salaries	$143,880
Miscellaneous	63,500

NEW JERSEY—Continued.

Appropriations for fiscal year ending June 30, 1922—Continued.

Child hygiene	$150,000
Venereal disease control	35,000
Total	392,380

Publications issued by health department:
Monthly bulletin.
Annual report.

NEW MEXICO.

Board of public welfare:
Mrs. A. Otero-Warren, chairman, Santa Fe.
A. G. Shortle, M. D., secretary, Albuquerque.
Mrs. R. P. Donohoo, Albuquerque.
Mrs. Max Nordhaus, Albuquerque.
Charles Lembke, Albuquerque.

Executive health officer:
***C. E. Waller, M. D.**, U. S. P. H. S., temporary director of public health, Santa Fe.

Division of preventable diseases and vital statistics:
*G. S. Luckett, M. D., chief, Santa Fe.

Division of sanitary engineering and sanitation:
*H. F. Gray, Gr. P. H., chief, Santa Fe.

Division of public-health nursing and child hygiene:
*Margaret Tupper, R. N., chief, Santa Fe.

Public health laboratory:
*Myrtle Greenfield, chief, Albuquerque.

Appropriation for fiscal year ending Nov. 30, 1922, $27,000.

NEW YORK.

Public health council:
Hermann M. Biggs, M. D., LL. D., chairman, Albany.
Homer Folks, LL. D., New York.
Simon Flexner, M. D., LL. D., New York.
Henry N. Ogden, C. E., Ithaca.
T. Mitchell Prudden, M. D., LL. D., New York.
Jacob Goldberg, M. D., Buffalo.
Mrs. Ella L. Blair, New York.

Executive health officer:
***Hermann M. Biggs, M. D., LL. D.**, commissioner of health, Albany.

Deputy commissioner of health:
*Matthias Nicoll, jr., M. D., Albany.

Secretary:
*John A. Smith, M. D., Albany.

Executive clerk:
*Fenimore D. Beagle, Albany.

Division of public health education:
*B. R. Rickards, director, Albany.

Division of sanitation:
*Charles A. Holmquist, C. E., director, Albany.

Division of vital statistics:
*Otto R. Eichel, M. D., director, Albany.

Division of child hygiene:
*Elsie Blanchard, M. D., director, Albany.

Division of communicable diseases:
*Edward S. Godfrey, M. D., director. Albany.

Division of tuberculosis:
*Frederick W. McSorley, M. D., director, Albany.

Division of venereal diseases:
*J. S. Lawrence, M. D., director, Albany.

NEW YORK—Continued.

Division of laboratories and research:
*Augustus B. Wadsworth, M. D., director, Albany.

Division of public health nursing:
*Mathilde S. Kuhlman, R. N., director, Albany.

Appropriations for fiscal year ending June 30, 1922:

Personal service	$545,250
Maintenance and operation	378,600
Total	923,850

Other sources of revenue:
Fees from certified transcripts of birth, death, and marriage certificates, and registration of laboratories, approximately $1,000 per annum.
Licensing laboratories, $175.
Sale of serums, $1,500.

Publications issued by health department:
Monthly Health News.
Health Officers' Bulletin.
Public Health Nurses' Bulletin.
Vital Statistics Bulletin.

NORTH CAROLINA.

Board of health:
J. Howell Way, M. D., president, Waynesville.
Richard H. Lewis, M. D., LL. D., Raleigh.
J. L. Ludlow, C. E., Winston-Salem.
Thomas E. Anderson, M. D., Statesville.
A. J. Crowell, M. D., Charlotte.
Chas. O'H. Laughinghouse, M. D., Greenville.
E. J. Tucker, D. D. S., Roxboro.
Cyrus Thompson, M. D., Jacksonville.
F. R. Harris, M. D., Henderson.

Executive health officer:
W. S. Rankin, M. D., secretary State board of health and State health officer, Raleigh.

Assistant to the secretary:
Ronald B. Wilson, Raleigh.

Bureau of tuberculosis:
L. B. McBrayer, M. D., chief of bureau and superintendent of the State sanatorium, Sanatorium.

Laboratory of hygiene:
C. A. Shore, M. D., director, Raleigh.

Deputy State registrar:
F. M. Register, M. D., Raleigh.

Bureau of medical inspection of schools:
G. M. Cooper, M. D., director, Raleigh.

Bureau of engineering and inspection:
H. E. Miller, C. E., director, Raleigh.

Bureau of public health nursing and infant hygiene:
Miss Rose M. Ehrenfeld, R. N., director, Raleigh.

Bureau of county health work:
K. E. Miller, M. D., director, Raleigh.

Bureau of epidemiology:
J. S. Mitchener, M. D., chief, Raleigh.

North Carolina Sanatorium:
L. B. McBrayer, M. D., superintendent, Sanatorium.

Appropriations for fiscal year ending Nov. 30, 1921:

State board of health (executive office)	$54,500
Vital statistics	20,000

NORTH CAROLINA—Continued.

Appropriations for fiscal year ending Nov. 30, 1921—Continued.

Laboratory of hygiene	$55,000
Tuberculosis sanatorium	100,000
School inspection	60,000
County health work	53,000
Epidemiology	11,000
Venereal disease control work	21,000
Public health nursing and infant hygiene	6,500
Engineering and inspection	49,000
Total	430,000

Other sources of revenue:

International health board	15,000
Federal Government	15,000
American Red Cross	6,500
Counties, for county health work	110,000
Fees paid the laboratory	15,000

Publications issued by health department:
Monthly bulletin.
Special bulletins.
Biennial report.

NORTH DAKOTA.

Board of health:
William Lemke, attorney general, president, Bismarck.
W. C. Nolte, M. D., vice president, Jamestown.
H. E. French, M. D., secretary, Grand Forks.

Executive health officer:
H. E. French, M. D., secretary State board of health, Grand Forks.

Appropriations for biennial period ending June 30, 1923:

Salaries (specific)	$2,800
Miscellaneous	4,100
Total	6,900

Publications issued by health department:
Quarterly bulletin.
Annual statistical data.
Biennial report.

OHIO.

Public health council:
Harry H. Snively, M. D., chairman.
G. D. Lummis, M. D.
C. O. Probst, M. D.
F. C. Croxton.
R. M. Calfee.
James E. Bauman, secretary.

Executive health officer:
***Harry H. Snively, M. D.**, director of health, Columbus.

Assistant director of health:
*James E. Bauman.

Division of administration:
*James E. Bauman, chief.
*M. E. Hayhurst, chief clerk.

Division of communicable diseases:
*Frank G. Boudreau, M. D., chief.
Bureau of trachoma clinics—
———— ————, chief.
Bureau local health organization—
*H. T. Thornburgh, M. D., chief.

OHIO—Continued.

Division of sanitary engineering:
*W. H. Dittoe, chief.
Bureau of plumbing inspection—
*A. A. Manchester, chief.

Division of laboratories:
*Fred Berry, chief.

Division of vital statistics:
*U. G. Murrell, M. D., chief.

Division of hygiene:
*R. G. Leland, M. D., chief.
Bureau of tuberculosis—
*J. A. Frank, M. D., chief.
Bureau of child hygiene—
*Natalie Merrill, chief.
Bureau of venereal diseases—
*P. M. Wright, M. D., chief.
Bureau of hospitals—
*Henry J. Southmayd, chief.
Bureau of public health nursing—
*Hulda A. Cron, R. N., chief.

Division of industrial hygiene:
*E. B. Starr, M. D., chief.

Appropriations for fiscal year ending June 30, 1922:

Personal services	$150,000
Maintenance	97,035
State aid for health districts	150,000
Total	397,035

Publication issued by health department:
Monthly public health journal.

OKLAHOMA.

Executive health officer:
***A. R. Lewis, M. D.**, Commissioner of health, Oklahoma City.

Assistant commissioner of health:
*J. P. Folan, Oklahoma City.

Chemist:
*W. A. Walker, Oklahoma City.

Bacteriologist:
*L. E. Wood, Oklahoma City.

Sanitary engineer:
*H. J. Darcey, Oklahoma City.

Director of publicity:
*Lelia Hoagland, Oklahoma City.

Bureau of vital statistics:
*W. B. Dennis, chief, Oklahoma City.

Appropriations for the fiscal year ending June 30, 1922:

Salaries	$40,800
Biological supply	7,500
Traveling expenses for sanitary engineer	1,250
Maintenance of laboratory	5,000
Control of epidemics	5,000
Maintenance of bureau of venereal disease	15,000
Contingent	5,000
Total	79,550

OREGON.

Board of health:
W. B. Morse, M. D., president, Salem.
C. J. Smith, M. D., vice president, Portland.
Andrew C. Smith, M. D., Portland.

OREGON—Continued.

Board of health—Continued.
F. M. Brooks, M. D., Portland.
George E. Houck, M. D., Roseburg.
J. H. Rosenburg, M. D., Prineville.
Executive health officer:
***Frederick D. Stricker, M. D.**, State health officer, Portland.
Registrar of vital statistics:
*Frederick D. Stricker, M. D., Portland.
Bacteriologist:
Wilma Hemstock, Portland.
Appropriation for fiscal year ending Dec. 31, 1921, $25,000.
Publications issued by health department:
Annual report.
Biennial report.
Quarterly bulletin.
Pamphlets and posters.

PENNSYLVANIA.

Advisory board:
Charles B. Penrose, M. D., Philadelphia.
Adolph Koenig, M. D., Pittsburgh.
Edgar M. Green, M. D., Easton.
A. A. Cairns, M. D., City Hall, Philadelphia.
Lee Masterton, C. E., Johnstown.
Clarence J. Marshall, V. M. D., Philadelphia.
Executive health officer:
***Edward Martin, M. D.**, commissioner of health, Harrisburg.
Deputy commissioner of health:
*John D. McLean, M. D., Harrisburg.
Assistant to the commissioner:
*Thomas W. Jackson, M. D., Harrisburg.
Executive secretary:
*James F. McCoy, Harrisburg.
Assistant to executive secretary:
*Florence Rinkenbach, Harrisburg.
Dental division:
*C. J. Hollister, chief, Harrisburg.
Division of medical inspection:
*J. Moore Campbell, M. D., chief medical director, Harrisburg.
Division of school health:
*William J. Crookston, M. D., chief, Harrisburg.
Division of laboratories:
*John L. Laird, M. D., chief of laboratories, Philadelphia.
Division of sanatoria:
*Royal H. McCutcheon, M. D., medical director Pennsylvania State Sanatorium for Tuberculosis No. 1, Mont Alto.
*W. G. Turnbull, M. D., medical director, Pennsylvania State Sanatorium for Tuberculosis No. 2, Cresson.
*Henry A. Gorman, M. D., medical director, Pennsylvania State Sanatorium for Tuberculosis No. 3, Hamburg.
Division of tuberculosis:
*A. P. Francine, M. D., chief, Harrisburg.
Division of genito-urinary dispensaries:
*S. Leon Gans, M. D., chief, Harrisburg.
Division of supplies and biological products:
*Roy G. Miller, chief, Harrisburg.
Division of engineering:
*C. A. Emerson, jr., chief engineer, Harrisburg.

PENNSYLVANIA—Continued.

Bureau of housing:
*John Molitor, chief, Harrisburg.
Bureau of vital statistics:
*Wilmer R. Batt, M. D., State registrar, Harrisburg.
Division of accounts:
*Clinton T. Williams, chief, Harrisburg.
Division of purchasing:
*Charles H. Clappier, jr., chief, Harrisburg.
Division of child health:
*Mary Riggs Noble, M. D., chief, Harrisburg.
Bureau of drug control:
*Thomas S. Blair, M. D., chief, Harrisburg.
Division of public health education:
*William C. Miller, M. D., chief, Harrisburg.
Division of nurses:
*Alice M. O'Halloran, chief, Harrisburg.
Division of newspapers:
*Lida R. Beckwith, chief, Harrisburg.
Appropriations for biennial period ending May 31, 1923:

Tuberculosis work	$2,500,000
General fund	1,585,000
School inspection	200,000
Salaries	985,120
Total	5,270,120

PHILIPPINE ISLANDS.

Council of hygiene, advisory board to the director of health:
Fernando Calderón, M. D., president, Manila.
Leoncio Lopez Rizal, M. D., secretary, Manila.
Gervasio Ocampo, M. D., Manila.
José Albert, M. D., Manila.
Benito Valdez, M. D., Manila.
Luis Torres, LL. B., Manila.
Tomas Earnshaw, Manila.
Food inspection committee:
S. V. del Rosario, M. D., assistant director of health, chairman.
John Rider, member.
Granville Perkins, M. D., member.
F. J. Brown, member.
Leprosy investigation committee:
J. P. Bantug, Ph. G., M. D., chairman.
Liborio Gomez, Ph. D., M. D., recorder.
W. H. Wade, M. D., member.
Granville A. Perkins, Ph. D., member.
Proceso Gabriel, M. D., member.
Samuel Tietze, M. D., member.
Daniel de la Paz, M. D., member.
Luis Guerrero, M. D., member.
Committee on diagnosis of leprosy:
W. H. Wade, M. D., chairman.
Proceso Gabriel, M. D., member.
Liborio Gomez, Ph. D., M. D., member.
Committee on leprosy treatment, Culion:
J. Avellana Basa, M. D., chief.
Catalino Nicolas, M. D., member.
Jose Mario Alonzo, M. D., member.
Santiago Icasiano, M. D., member.
Gavino Limkako, M. D., member.
Felisberto Solis, M. D., member.
Guillermo Fernandez, M. D., member.
Dalmacio Jugueta, M. D., member.
Miss Rufina Agoncillo, member.

PHILIPPINE ISLANDS—Continued.

Committee on leprosy treatment, Culion—Contd.
Mrs. Josefa V. Jugueta, member.
Miss Serafia Cadapan, member.
Miss Leona Carranza, member.
Miss Florencia de Guzman, member.
Miss Victoria L. Vicente, member.
Ulpiano Evangelista, member.
Pablo de Castro, member.
Cholera vaccination committee:
Leoncio Lopez Rizal, M. D., chairman.
Otto Schobl, M. D., member.
Proceso Gabriel, M. D., member.
Board of masseurs:
Felipe Arenas, M. D., chairman.
Miss Enriqueta Macaraig, R. N., member.
T. Sugimoto, R. N., member.
Committee on the insane:
Catalino Gavino, M. D., chief, San Lazaro Hospital, acting chairman.
Elias Domingo, M. D., San Lazaro Hospital, member.
Felipe Arenas, M D., medical inspector, Health Station No. 2, Meisic Station, member.
Committee on tuberculosis:
Catalino Gavino, M. D., chief San Lazaro Hospital, acting chairman.
Proceso Gabriel, M. D., member.
Samuel Tietze, M. D., member.
Board of embalmers:
Manuel Gomez, M. D., chairman.
Felipe Arenas, M. D., member.
J. P. Bantug, Ph. G., M. D., member.
Board of physical examination:
J. M. Raymundo, M. D., officer in charge of Health Station No. 1, Intramuros.
Executive health officer:
***Vicente de Jesus, M. D.**, director of health, Manila.
Assistant director of health:
*Salvador V. del Rosario, M. D., Manila.
Division of Provincial sanitation:
*Eugenio Hernando, M. D., chief, Manila.
Division of Manila sanitation:
*Andres Catanjal, M. D., chief, Manila.
Office of statistics and epidemiology:
*Manuel Gomez, M. D., chief, Manila.
Office of health education:
*José P. Bantug, M. D., chief, Manila.
Office of district nursing:
*Carmen R. Leogardo, R. N., chief, Manila.
Clerical office:
*Mamerto Tianco, chief, Manila.
Office of property:
*Generoso S. Quintero, chief, Manila.

Appropriations for fiscal year ending Dec. 31, 1921:

Salaries and wages	$516,294
Miscellaneous expenses	791,817
Furniture and equipment	21,850
Aid to specially organized Provinces	196,953
Total	1,526,914
Appropriation for the treatment of segregated lepers	150,000

PHILIPPINE ISLANDS—Continued.

Publications issued by health service:
Daily news bulletin.
Monthly bulletin.
Annual report.
Occasional pamphlets.

PORTO RICO.

Insular board of health:
W. F. Lippitt, M. D., president, San Juan.
José Lugo Vina, M. D., secretary, San Juan.
W. A. Glines, M. D., San Juan.
Fernando Marquez Roig, pharmacist, Rio Piedras.
José A. Diaz, M. D., San Juan.
José S. Belaval, M. D., San Juan.
G. A. Ramirez de Arellano, engineer, San Juan.
Executive health officer:
***Alejandro Ruiz Soler, M. D.**, commissioner of health, San Juan.
*Antonio Fernós Isern, M. D., assistant commissioner of health, San Juan.
Division of property and accounts:
*Antonio Llabres, chief, San Juan.
Division of sanitary engineering:
*G. A. Ramirez de Arellano, sanitary engineer, San Juan.
Bacteriological laboratory:
*F. J. Hernández, M. D., director, San Juan.
Chemical laboratory:
*R. del Valle Sárraga, chemist, director, San Juan.
Division of transmissible diseases and statistics:
*Pedro N. Ortiz, M. D., chief, San Juan.
Appropriations for fiscal year ending June 30, 1922:

Department of health (proper), salaries and contingent expense	$190,197.25
Leper colony	24,070.50
Quarantine hospital	13,705.00
Mosquito extermination	30,000.00
Suppression of anemia	30,000.00
Emergency fund for control and suppression of epidemics (unexpended balance previous year)	12,274.03
Trust funds for control and suppression of epidemics (fines for violation of sanitary regulations)	3,464.63
Insular sanatorium	161,795.00
Care of tuberculosis patients	10,000.00
Education and support of poor deaf-mute children	1,200.00
Girls' charity school	75,465.25
Boys' charity school	110,461.65
Blind asylum	39,544.50
Insane asylum	120,417.00
Total	822,591.81

Publication issued by health department:
Annual report.

RHODE ISLAND.

Board of health:
R. Morton Smith, M. D., president, Riverpoint.
Thomas J. McLaughlin, M. D., vice president, Woonsocket.

RHODE ISLAND—Continued.

Board of health—Continued.
Alexander B. Briggs, M. D., Ashaway.
Norman M. MacLeod, M. D., Newport.
William F. Williams, M. D., Bristol.
Joseph M. Bennett, M. D., Providence.
M. S. Budlong, M. D., Providence.

Executive health officer:
B. U. Richards, M. D., secretary State board of health and State registrar, Statehouse, Providence.

Pathologist:
Lester A. Round, Providence.

Chemist:
Stephen De M. Gage, Providence.

Appropriations for fiscal year ending Dec. 31, 1921:

Executive department	$16,500
Chemical laboratory	15,000
Pathological laboratory	18,000
Child-welfare division	16,000
Prosecuting cases of illegal medical practice	1,800
Total	67,300

Publications issued by health department:
Quarterly bulletin.
Annual report of births, deaths, and marriages.
Annual report of State board of health.

SOUTH CAROLINA.

Executive committee, board of health:
Robert Wilson, jr., M. D., chairman, Charleston.
R. A. Marsh, M. D., Edgefield.
C. C. Gambrell, M. D., Abbeville.
E. A. Hines, M. D., Seneca.
Miles J. Walker, M. D., York.
William Egleston, M. D., Hartsville.
S. C. Calder, Ph. G., Greenville.
W. M. Lester, M. D., Columbia.
Samuel M. Wolfe, attorney general, Columbia.
Walter E. Duncan, comptroller general, Columbia.

Executive health officer:
***James A. Hayne, M. D.**, State health officer, Columbia.

Department of county health units:
*L. A. Riser, M. D., Columbia.

Bureau of child hygiene and supervisor of public health nursing:
*Mrs. Ruth A. Dodd, R. N., Columbia.

Bureau of venereal diseases:
*C. V Akin, M. D., U. S. P. H. S., Columbia.

Laboratory department:
*F. A. Coward, M. D., in charge, Columbia.
*J. R. Cain, chief bacteriologist, Columbia.
*H. M. Smith, M. D., serologist, Columbia.

Bureau of vital statistics:
*C. W. Miller, Columbia.

Bacteriologist and chemist:
F. L. Parker, jr., M. D., Ph. D., Columbia.

South Carolina Sanatorium:
*Ernest Cooper, M. D., superintendent, Columbia.

Epidemiologist:
A. H. Hayden, M. D., Columbia.

Sanitary engineer:
*E. L. Filby, C. E., Columbia.

State hotel inspector:
*J. H. Woodward, Columbia.

SOUTH CAROLINA—Continued.

Appropriations for fiscal year ending Dec. 31, 1921:

Administrative office	$47,820.00
Bureau of child hygiene	12,480.00
Bureau of vital statistics	6,480.00
Division of venereal disease control	33,886.00
Laboratory	11,650.00
Bureau of rural sanitation	10,000.00
Malaria cooperative work	15,000.00
Tuberculosis sanatoria	61,939.95
Total	199,255.95

Publications issued by health department:
Annual report.
Bulletins of various departments.

SOUTH DAKOTA.

Board of health:
J. W. Freeman, M. D., president, Lead.
R. D. Alway, M. D., vice president, Aberdeen.
J. Howard Smith, M. D., Huron.
H. R. Kenaston, M. D., Bonesteel.
Park B. Jenkins, M. D., superintendent, Waubay.

Executive health officer:
Park B. Jenkins, M. D., superintendent and executive officer, Waubay.

Division of vital statistics:
Park B. Jenkins, M. D., director.

Division of sanitary engineering:
A. H. Wieters, director.

Division of education and publicity:
M. C. Haecker, director.

Division of public health nursing:
Mrs. E. P. Wanzer, director.

Division of records and accounts:
Edna Jenkins, director.

Division of medical licensure:
H. R. Kenaston, M. D., director.

Laboratories at Vermilion:
J. C. Ohlmacher, M. D., director.

Division of preventable diseases:
———— ————, director.

Division of child hygiene:
———— ————, director.

Appropriations for fiscal year ending June 30, 1922:

Salary of superintendent	$4,000
Salary of employees, administration expense, per diem, mileage, and expense of members, printing and necessary publications, division of medical licensure, division of venereal diseases, division of public health nursing	42,700
Total	46,700

Publications issued by health department:
Mothers' book.
Biennial report.

TENNESSEE.

Board of health:
W. J. Miller, M. D., president, Johnson City.
E. M. Sanders, M. D., vice president, Nashville.
C. B. A. Turner, M. D., Dyer.
T. F. Peck, Nashville.

Executive health officer:
***Olin West, M. D.**, secretary State board of health, Nashville.

TENNESSEE—Continued.

Division of vital statistics:
*C. B. Crittenden, M. D., director, Nashville.
Division of rural sanitation:
*E. L. Bishop, M. D., director, Nashville.
Division of laboratories:
William Litterer, M. D., director, Nashville.
Division of sanitary engineering:
*C. N. Harrub, director, Nashville.
Division of venereal disease control:
*Olin West, M. D., acting director, Nashville.
Division of oral hygiene:
*A. G. Buckner, D. D. S., director, Nashville.
State directing nurse:
*Miss M. G. Nisbet, R. N., Nashville.
Pure food and drugs commissioner:
D. J. Frazier, Nashville.
Appropriations for biennial period ending July 1, 1923:

Administration, office, etc	$20,300.00
Epidemic fund	5,000.00
Malaria control fund	6,000.00
Trachoma control fund	4,000.00
Vital statistics fund	21,800.00
Rural sanitation fund	23,000.00
Sanitary engineering fund	21,200.00
Laboratories fund	23,640.00
Venereal diseases	29,956.72
Total	154,896.72

Other sources of revenue:
International health board, rural sanitation, $23,000.
International health board, malaria control, amount not definitely determined.
American Red Cross, cooperation in nursing service.
United States public health service, cooperation in malaria control.
United States Government, cooperation in venereal disease control.
Individual counties and cities in State, cooperation in malaria control, venereal disease control, and rural sanitation.

TEXAS.

Board of health:
Manton M. Carrick, M. D., president, Austin.
Dickson G. Thompson, M. D., Waxahachie.
Thomas B. Fisher, M. D., Dallas.
M. M. Brown, M. D., Mexia.
Nettie Klein, M. D., Texarkana.
M. F. Bledsoe, M. D., Port Arthur.
M. P. Smart, M. D., Manor.
Executive health officer:
Manton M. Carrick, M. D., Austin, State health officer.
Assistant State health officer:
James D. Blevins, M. D., Austin.
Bureau of venereal disease:
James D. Blevins, M. D., director, Austin.
Bureau of child hygiene and public health nursing:
Mrs. Lyda K. King, R. N., director, Austin.
Bureau of sanitary engineering:
V. M. Ehlers, C. E., director, Austin.
E. G. Eggert, assistant, Austin.

TEXAS—Continued.

Bureau of rural sanitation:
Alex P. Harrison, M. D., director, Austin.
Bureau of food and drugs:
E. H. Golaz, chemist, director, Austin.
O. C. Gehrhardt, assistant chemist.
W. W. Battle, assistant chemist.
Bureau of laboratories:
G. M. Graham, M. D., director.
Bureau of vital statistics:
Mrs. June Agee, deputy State registrar.
Appropriations for fiscal year ending Aug. 31, 1921:

General	$72,200.00
Special for rural sanitation	31,400.00
Venereal disease control work	46,293.46
Bureau of vital statistics	7,850.00
Maintenance of lepers	24,018.35
Total	181,761.81

Publications issued by health department:
Biennial report.
Monthly health magazine.
Pamphlets, leaflets, and placards.

UTAH.

Board of health:
Fred Stauffer, M. D., president, Salt Lake City.
T. B. Beatty, M. D., secretary, Salt Lake City.
H. K. Merrill, M. D., Logan.
Ezra Rich, M. D., Ogden.
Clarence Snow, M. D., Salt Lake City.
A. F. Doremus, C. E., Salt Lake City.
S. S. Burnham, D. D. S., Salt Lake City.
Executive health officer:
***T. B. Beatty, M. D.**, State health commissioner, Salt Lake City.
Appropriations for biennial period ending Mar. 31, 1923:

Salaries	$15,000
Contingent account	10,500
Vital-statistics account	3,000
Venereal disease control work	3,600
Total	32,100

Publications issued by health department:
Quarterly bulletin.
Biennial report.
Fiscal year ends Dec. 31.

VERMONT.

Board of health:
F. Thomas Kidder, M. D., president, Woodstock.
William T. Slayton, M. D., Morrisville.
Charles F. Dalton, M. D., secretary, Burlington.
Executive health officer:
***Charles F. Dalton, M. D.**, secretary State board of health, Burlington.
Laboratory of hygiene:
*B. H. Stone, M. D., director, Burlington.
Sanitary engineer:
J. W. Votey, C. E., Burlington.
Sanitary inspector:
*Henri L. Pache, M. D., Burlington.

VERMONT—Continued.

Division of venereal diseases:
*Henri L. Pache, M. D., Burlington.
Division of tuberculosis:
*H. W. Slocum, Burlington.
Division of poliomyelitis:
*W. L. Aycock, M. D., research, Burlington.
*Bertha E. Weisbrod, R. N., after-care, Burlington.
Division of public health nursing:
*Elizabeth P. Van Patten, R. N., Burlington.
Appropriations for fiscal year ending June 30, 1922.
Total budget, $80,000.
Other source of revenue:
Private donations for study and treatment of infantile paralysis.
Publications issued by health department:
Quarterly bulletin.
Biennial report.

VIRGINIA.

Board of health:
W. M. Smith, M. D., president, Alexandria.
W. T. Wilson, Richmond.
J. B. Fisher, M. D., secretary, Midlothian.
Mrs. Chas. Hall Davis, Petersburg.
Isaac Peirce, M. D., Tazewell.
W. F. Drewry, M. D., Petersburg.
H. T. Marshall, M. D., University of Virginia.
Guy R. Harrison, D. D. S., Richmond.
George B. Lawson, M. D., Roanoke.
S. A. Sutton, M. D., Norfolk.
G. L. Morriss, M. D., Buckingham.
Executive health officer:
***Ennion G. Williams, M. D.**, State health commissioner, Richmond.
Assistant health commissioner:
*Roy K. Flannagan, M. D., Richmond.
Registrar of vital statistics:
*W. A. Plecker, M. D., Richmond.
Bacteriologist:
*A. H. Straus, Richmond.
Sanitary engineer:
*Richard Messer, C. E., Richmond.
Appropriations for fiscal year ending Feb. 28, 1922:

Administration	$20,294.00
Sanitary engineering	15,750.00
Publicity	6,000.00
Rural sanitation	20,000.00
Malaria	5,000.00
Inspection of hotels and convict camps	3,500.00
Laboratory	10,000.00
Child welfare and school inspection	28,500.00
Public health nursing	6,100.00
Venereal diseases	22,415.58
Control of epidemics	5,000.00
Vital statistics	18,510.00
Prevention of blindness	2,500.00
Total	163,569.58

Publications issued by health department:
Monthly bulletin.
Annual report.

WASHINGTON.

Board of health:
Paul A. Turner, M. D., director of health, chairman.
W. W. Brand, M. D.
James H. Egan, M. D.
R. E. Elvins, M. D.
Herbert C. Lieser, M. D.
C. E. Dorisy, secretary, Seattle.
Executive health officer:
***Paul A. Turner, M. D.**, director of health, Seattle.
Epidemiologist:
*A. U. Simpson, M. D., Seattle.
Chief of laboratory:
*A. U. Simpson, M. D., Seattle.
Sanitary engineer:
*C. E. Dorisy, Seattle.
Registrar:
*C. E. Dorisy, Seattle.
Appropriations for biennial period ending Mar. 31, 1923:

Salary of director	$10,000
Salaries and wages	48,000
Supplies, material, and service	28,230
Total	86,230

WEST VIRGINIA.

Public health council:
J. L. Pyle, M. D., president, Chester.
W. T. Henshaw, M. D., commissioner of health, Charleston.
H. G. Camper, M. D., Welch.
B. F. Shuttleworth, M. D., Clarksburg.
W. M. Babb, M. D., Keyser.
V. T. Churchman, M. D., Charleston.
Thos. L. Harris, Parkersburg.
Executive health officer:
***W. T. Henshaw, M. D.**, commissioner of health, Charleston.
Division of preventable diseases:
*Vacant; commissioner acting.
Division of sanitary engineering:
*Ellis S. Tisdale, director, Charleston.
*R. C. Beckett, Charleston.
*Chas. H. Young, Charleston.
Division of vital statistics:
*Carl F. Raver, M. D., M. P. H., Charleston.
Division of child welfare and public health nursing:
*Jean T. Dillon, R. N., director, Charleston.
*Edna M. Hardsaw, R. N., field supervisor.
*Gertrude H. Wuesthoff, R. N., assistant field supervisor.
Hygienic laboratory:
*Chas. E. Gabel, Ph. D., Charleston.
*Luch F. Gabel, chemist, Charleston.
*Winifred Lamberson, assistant bacteriologist, Charleston.
Bureau of venereal diseases:
*F. F. Farnsworth, M. D., director, Charleston.
Bureau of rural sanitation:
———— ————, director, Charleston.

WEST VIRGINIA—Continued.

Appropriations for fiscal year ending June 30, 1922:

For general use	$60,000
Salary of commissioner	4,800
Bureau of venereal diseases	10,000
Total	74,800

Other sources of revenue:
- Fees for granting certificates to practice medicine.
- Fees from laboratory work for private individuals.

Publications issued by health department:
- Quarterly bulletin.
- Annual report.

WISCONSIN.

Board of health:
- Wm. F. Whyte, M. D., president, Madison.
- I. D. Steffen, M. D., Antigo.
- E. S. Hayes, M. D., Eau Claire.
- G. Windesheim, M. D., Kenosha.
- C. A. Richards, M. D., Rhinelander.
- Otho Fiedler, M. D., Sheboygan.
- C. A. Harper, M. D., State health officer, Madison.
- L. W. Hutchcroft, assistant State health officer, Madison.

Executive health officer:
- ***C. A. Harper, M. D.**, State health officer, Madison.

Bureau of vital statistics:
- *C. A. Harper, M. D., State registrar, Madison.

Bureau of communicable diseases:
- *Robert Olesen, M. D., acting director, Madison.

Bureau of sanitary engineering:
- *C. M. Baker, State sanitary engineer, Madison.
- *E. J. Tully, chemical engineer, Madison.

Bureau of education:
- *L. W. Bridgman, acting director, Madison.

Bureau of child welfare and public health nursing:
- *Mrs. Mary P. Morgan, director, Madison.

Bureau of nursing education:
- ——— ———, director, Madison.

Bureau of plumbing and domestic sanitary engineering:
- *Frank R. King, State domestic sanitary engineer, Madison.

Bureau of social hygiene:
- *I. F. Thompson, M. D., director, Madison.

Laboratory service:
- *W. D. Stovall, M. D., director State laboratories, Madison.
- *M. S. Nichols, chemist State laboratory, Madison.
- *Katherine Wattawa, director branch laboratory, Rhinelander.

WISCONSIN—Continued.

Laboratory service—Continued.
- *Gladys Hadley, director cooperative laboratory, Superior.
- *Lucille Works, director cooperative laboratory, Oshkosh.
- *Henry Miller, director cooperative laboratory, Kenosha.
- *C. D. Partridge, M. D., director cooperative laboratory, Wausau.
- *Lydia Lacey, director, cooperative laboratory, Green Bay.
- *Walter Ashby, director, cooperative laboratory, Beloit.

Appropriations for fiscal year ending June 30, 1922:

General administration	$51,000
Emergency appropriation for epidemics	7,500
Branch laboratory and State cooperative laboratories	7,950
Prevention of infantile blindness	1,500
Venereal disease control work	41,250
Bureau of sanitary engineering	10,000
Bureau of communicable diseases	13,300
Bureau of child welfare and public health nursing	31,100
Comfort station supervision	5,000
Licensing of embalmers, hotels and restaurants, plumbers, and barbers	38,000
Total	206,600

Publications issued by health department:
- Quarterly bulletin.
- Biennial report.

WYOMING.

Board of health:
- Fred A. Hodson, M. D., president, Sheridan.
- G. A. Fox, M. D., vice president, Cheyenne.
- Albert B. Tonkin, M. D., secretary and executive officer, Cheyenne.
- Edw. S. Lauzer, M. D., Rock Springs.
- J. D. Lewellen, M. D., Powell.
- J. F. O'Donnell, M. D., Casper.

Executive health officer:
- **Albert B. Tonkin, M. D.**, State health officer, Cheyenne.

Venereal disease control:
- J. F. O'Donnell, M. D., Casper.

Appropriations for biennial period ending Mar. 31, 1923:

State board of health	$19,000
Salary of secretary	8,000
Salary of venereal disease officer	6,000
Total	33,000

Publications issued by health department:
- Biennial report.
- Bimonthly bulletin.

DEATHS DURING WEEK ENDED OCT. 29, 1921.

Summary of information received by telegraph from industrial insurance companies for week ended Oct. 29, 1921, and corresponding week, 1920. (From the Weekly Health Index, Nov. 1, 1921, issued by the Bureau of the Census, Department of Commerce.)

	Week ended Oct. 29, 1921.	Corresponding week, 1920.
Policies in force	48,053,197	44,375,549
Number of death claims	8,114	7,445
Death claims per 1,000 policies in force	8.8	8.7

Deaths from all causes in certain large cities of the United States during the week ended Oct. 29, 1921, infant mortality, annual death rate, and comparison with corresponding week of preceding years. (From the Weekly Health Index, Nov. 1, 1921, issued by the Bureau of the Census, Department of Commerce.)

City.	Estimated population July 1, 1921.	Week ended Oct. 29, 1921.		Average annual death rate per 1,000.[2]		Deaths under 1 year.			Infant mortality rate, week ended Oct. 29, 1921.[3]
		Total deaths.	Death rate.[1]			Week ended Oct. 29, 1921.		Previous year or years.[2]	
Akron, Ohio	229,195	30	6.8		[4] 8.8	6		[2] 4	58
Albany, N. Y	115,071	34	15.4	C	11.4	3	C	3	67
Atlanta, Ga	207,473	55	13.8	C	12.3	6	C	8	.....
Baltimore, Md	752,863	188	13.0	A	14.8	36	A	28	101
Birmingham, Ala	186,133	51	14.3	A	16.8	4	A	5	.....
Boston, Mass	757,634	191	13.1	A	14.3	22	A	31	59
Bridgeport, Conn	149,967	33	11.5	A	14.7	6	A	7	76
Buffalo, N. Y	519,608	120	12.0	C	10.9	26	C	19	100
Cambridge, Mass	110,444	20	9.4	A	13.1	3	A	4	54
Camden, N. J	119,672	24	10.5	.....		3	.....		45
Chicago, Ill	2,780,655	596	11.2	A	12.1	97	A	105	.....
Cincinnati, Ohio	403,418	105	12.6	C	11.4	9	C	11	50
Cleveland, Ohio	831,138	176	11.0	C	10.0	28	C	32	75
Columbus, Ohio	245,358	71	15.1	C	11.7	8	C	6	93
Dallas, Tex	165,282	40	12.6	A	12.6	3	A	2	.....
Dayton, Ohio	158,119	31	10.2	C	12.8	6	C	2	98
Denver, Colo	263,152	73	14.5	A	13.0	10	.....		.....
Detroit, Mich	1,070,450	167	8.1	C	8.8	26	C	39	49
Fall River, Mass	120,668	25	10.8	C	17.3	2	C	14	30
Grand Rapids, Mich	141,197	28	10.3	C	13.1	5	C	11	85
Houston, Tex	144,340	38	13.7	.....		9	.....		.....
Indianapolis, Ind	325,215	71	11.4	C	12.5	4	C	13	31
Jersey City, N. J	302,788	62	10.7	C	11.8	10	C	14	69
Kansas City, Kans	103,884	35	17.6	C	9.7	3	C	2	72
Kansas City, Mo	336,157	82	12.7	C	13.3	15	C	22	.....
Los Angeles, Calif	611,921	139	11.8	A	12.5	13	A	11	61
Louisville, Ky	236,083	68	15.0	C	12.7	5	C	10	58
Lowell, Mass	113,757	32	14.7	A	13.8	11	A	9	177
Memphis, Tenn	165,389	55	17.3	C	9.9	6	C	6	.....
Milwaukee, Wis	468,386	82	9.1	A	10.3	15	A	17	73
Minneapolis, Minn	392,815	86	11.4	C	8.0	15	C	7	85
Nashville, Tenn	122,036	53	22.6	C	17.1	2	C	5	.....
New Bedford, Mass	125,012	22	9.2	A	12.8	4	A	6	61
New Haven, Conn	167,007	25	7.8	C	12.7	4	C	7	48
New Orleans, La	394,657	147	19.4	A	18.9	12	A	16	.....
New York, N. Y	5,751,867	1,177	10.7	C	10.0	161	C	185	63
Newark, N. J	424,885	70	8.6	C	11.9	14	C	21	62
Norfolk, Va	121,260	30	12.9	.....		5	.....		89
Oakland, Calif	226,472	40	9.2	A	10.7	.....	A	5	.....
Omaha, Nebr	197,066	49	13.0	.....		5	.....		58
Paterson, N. J	137,463	32	12.1	.....		2	.....		34
Philadelphia, Pa	1,866,212	425	11.9		[4] 13.2	67		[4] 69	81
Pittsburgh, Pa	602,452	164	14.2	C	12.8	29	C	21	103
Portland, Oreg	264,859	43	8.5	C	10.8	2	C	6	20
Providence, R. I	239,645	53	11.5	C	9.6	8	C	9	65
Richmond, Va	175,686	39	11.6	C	12.4	6	C	3	73
Rochester, N. Y	305,229	61	10.4	C	8.0	12	C	11	93
St. Louis, Mo	785,164	174	11.5	C	12.5	18	C	24	.....
St. Paul, Minn	237,781	42	9.2	C	6.2	3	C	1	30
Salt Lake City, Utah	121,595	28	12.0	A	9.4	5	.....		77
San Francisco, Calif	520,546	112	11.2	C	11.9	5	C	12	29
Spokane, Wash	104,442	29	14.5	C	13.5	2	C	5	44
Springfield, Mass	135,877	27	10.4	C	11.5	7	C	5	106
Syracuse, N. Y	177,265	32	9.4	C	13.2	5	C	3	60
Toledo, Ohio	253,696	63	12.9	A	13.0	8	A	9	81
Trenton, N. J	122,760	28	11.9	A	17.2	7	A	9	106
Washington, D. C	454,026	128	14.7	A	13.6	16	A	12	93
Wilmington, Del	118,408	15	6.9	C	15.5	5	C	8	.....
Worcester, Mass	184,972	42	11.8	C	11.2	3	C	7	32
Yonkers, N. Y	103,324	18	9.1	A	12.1	3	A	5	68

[1] Annual rate per 1,000 population.

[2] "A" indicates data for the corresponding week of the years 1913 to 1917, inclusive. "C" indicates data for the corresponding week of the year 1920.

[3] Deaths under 1 year per 1,000 births—an annual rate based on deaths under 1 year for the week and estimated births for 1920. Cities left blank are not in the registration area for births.

[4] Data based on statistics of 1915, 1916, and 1917.

PREVALENCE OF DISEASE.

No health department, State or local, can effectively prevent or control disease without knowledge of when, where, and under what conditions cases are occurring.

UNITED STATES.

CURRENT STATE SUMMARIES.

Telegraphic Reports for Week Ended Nov. 5, 1921.

These reports are preliminary and the figures are subject to change when later returns are received by the State health officers.

ALABAMA.

	Cases.
Cerebrospinal meningitis	3
Diphtheria	40
Influenza	14
Malaria	11
Pellagra	10
Pneumonia	3
Scarlet fever	27
Smallpox	1
Tuberculosis	13
Typhoid fever	23

ARKANSAS.

Cerebrospinal meningitis	2
Chicken pox	4
Diphtheria	53
Hookworm disease	1
Influenza	7
Malaria	201
Measles	1
Pellagra	4
Scarlet fever	16
Smallpox	7
Trachoma	3
Tuberculosis	8
Typhoid fever	18

CALIFORNIA.

Cerebrospinal meningitis:	
Oakland	1
Los Angeles	1
Santa Cruz	1
Diphtheria	364
Influenza	8
Lethargic encephalitis:	
Sacramento	1
San Francisco	1
Stockton	1
Measles	14

CALIFORNIA—continued.

	Cases.
Poliomyelitis:	
Alturas	1
Grass Valley	1
Modoc County	1
San Bernardino	1
San Francisco	3
Stockton	4
Scarlet fever	150
Smallpox:	
Los Angeles	11
Salinas	8
Scattering	30
Typhoid fever	13
Yellow fever—Los Angeles	1

COLORADO.

(Exclusive of Denver.)

Anthrax	1
Chicken pox	5
Diphtheria	45
Measles	1
Mumps	1
Pneumonia	6
Scarlet fever	33
Smallpox	14
Tuberculosis	119
Typhoid fever	19
Vincent's angina	1
Whooping cough	1

DELAWARE.

Diphtheria	5
Malaria	2
Measles	1
Pneumonia	1
Scarlet fever:	
Wilmington	8
Scattering	4
Tuberculosis	7
Typhoid fever	2

FLORIDA.

	Cases.
Cerebrrospinal meningitis	1
Diphtheria	36
Influenza	19
Malaria	16
Ophthalmia neonatorum	1
Scarlet fever	6
Typhoid fever	2

GEORGIA.

Cerebrospinal meningitis	1
Chicken pox	3
Dengue	3
Diphtheria	90
Dysentery (amebic)	1
Dysentery (bacillary)	1
German measles	3
Hookworm disease	17
Malaria	13
Measles	4
Mumps	1
Pneumonia	3
Scarlet fever	29
Septic sore throat	6
Smallpox	9
Tetanus	1
Tuberculosis (all forms)	4
Typhoid fever	22

ILLINOIS.

Cerebrospinal meningitis:	
Berwyn	1
Peoria	1
Rockford	1
Diphtheria:	
Aurora	12
Blue Island	11
Chicago	293
Cicero	12
Decatur	20
East St. Louis	18
Havana	8
Joliet	11
Mattoon	16
North Chicago	9
Peoria	22
Robinson	8
Rockford	22
Scattering	244
Influenza	22
Lethargic encephalitis:	
Aurora	1
Chicago	1
Stephenson County—Rock Grove Township	1
Pneumonia	166
Poliomyelitis:	
Alton	1
Chicago	4
Cook County—New Trier Township	1
Jasper County—South Muddy Township	1
La Salle County—	
Eagle Township	1
Rutland Township	1
Princeton	1
Saunemin	1
Towanda	1

ILLINOIS—continued.

	Cases.
Scarlet fever:	
Chicago	112
Decatur	8
Peoria	9
Rockford	9
Scattering	146
Smallpox	15
Typhoid fever:	
Chicago	11
Scattering	39
Whooping cough	54

INDIANA.

Cerebrospinal meningitis:	
Henry County	1
Marion County	1
Diphtheria	426
Rabies in animals:	
Lake County	1
Sullivan County	1
Scarlet fever	193
Smallpox	23
Typhoid fever	38

IOWA.

Cerebrospinal meningitis:	
Dyersville	2
Steamboat Rock	1
Diphtheria	86
Poliomyelitis	4
Scarlet fever	149
Smallpox	11

KANSAS.

Cerebrospinal meningitis	3
Chicken pox	51
Diphtheria	480
German measles	1
Influenza	2
Measles	2
Pneumonia	6
Poliomyelitis	2
Scarlet fever	194
Smallpox	19
Tuberculosis	44
Typhoid fever	25
Whooping cough	17

LOUISIANA.

Cerebrospinal meningitis	1
Diphtheria	30
Influenza	13
Pellagra	7
Scarlet fever	14
Smallpox	3
Typhoid fever	20

MAINE.

Chicken pox	6
Diphtheria	38
German measles	1
Measles	1
Mumps	11
Pneumonia	1
Poliomyelitis	1
Scarlet fever	44

MAINE—continued.

	Cases.
Smallpox	1
Tuberculosis	15
Typhoid fever	7
Whooping cough	33

MARYLAND.[1]

	8
Chicken pox	2
Diphtheria	92
Dysentery	3
Influenza	21
Malaria	5
Measles	24
Mumps	5
Ophthalmia neonatorum	2
Paratyphoid fever	1
Pneumonia (all forms)	47
Poliomyelitis	7
Scarlet fever	55
Tuberculosis	46
Typhoid fever	33
Vincent's angina	1
Whooping cough	21

MASSACHUSETTS.

Cerebrospinal meningitis	6
Chicken pox	128
Conjunctivitis (suppurative)	15
Diphtheria	248
German measles	6
Measles	107
Mumps	39
Ophthalmia neonatorum	16
Pellagra	1
Pneumonia (lobar)	66
Poliomyelitis	6
Scarlet fever	152
Septic sore throat	1
Smallpox	1
Tetanus	1
Trachoma	3
Tuberculosis (all forms)	167
Typhoid fever	23

MINNESOTA.

Cerebrospinal meningitis	1
Chicken pox	15
Diphtheria:	
Minneapolis	64
Scattering	80
Measles	4
Pneumonia	2
Poliomyelitis	1
Scarlet fever	163
Smallpox	21
Trachoma	2
Tuberculosis	61
Typhoid fever	13
Whooping cough	6

MISSISSIPPI.

Diphtheria	72
Scarlet fever	31
Smallpox	5
Typhoid fever	14

[1] Week ended Friday.

MISSOURI.

	Cases.
Cerebrospinal meningitis	2
Chicken pox	39
Diphtheria	230
Epidemic sore throat	13
Influenza	10
Measles	5
Mumps	5
Poliomyelitis	4
Scarlet fever	117
Smallpox	60
Tetanus	3
Trachoma	2
Tuberculosis	35
Typhoid fever	18
Whooping cough	12

MONTANA.

Cerebrospinal meningitis—Columbia Falls	1
Diphtheria	12
Poliomyelitis:	
Dooley	1
Helena	1
Scarlet fever	7
Smallpox	18
Typhoid fever	2

NEBRASKA.

Anthrax—Omaha	1
Cerebrospinal meningitis:	
Johnson County	1
Wayne County	1
Chicken pox	29
Diphtheria:	
Omaha	47
Scattering	22
German measles	2
Measles	7
Mumps	5
Scarlet fever	30
Smallpox	5
Tuberculosis	10
Typhoid fever	2
Whoopong cough	1

NEW JERSEY.

Chicken pox	80
Diphtheria	186
Dysentery	1
Influenza	7
Malaria	1
Measles	40
Pneumonia	107
Poliomyelitis	4
Scarlet fever	134
Smallpox	6
Trachoma	2
Typhoid fever	20
Whooping cough	58

NEW MEXICO.

Chicken pox	3
Diphtheria:	
Belen	8
Scattering	27

NEW MEXICO—continued.

	Cases.
Measles	2
Mumps	6
Paratyphoid fever	1
Pneumonia	6
Scarlet fever	14
Septic sore throat	1
Tuberculosis	29
Typhoid fever	10

NEW YORK.

(Exclusive of New York City.)

Cerebrospinal meningitis	6
Diphtheria	390
Influenza	10
Lethargic encephalitis	3
Measles	33
Pneumonia	169
Poliomyelitis	23
Scarlet fever	280
Typhoid fever	97
Whooping cough	98

NORTH CAROLINA.

Cerebrospinal meningitis	2
Chicken pox	41
Diphtheria	239
Measles	7
Scarlet fever	149
Septic sore throat	11
Smallpox	12
Typhoid fever	27
Whooping cough	61

OREGON.

Chicken pox	7
Diphtheria:	
Portland	42
Scattering	14
Impetigo contagiosa	4
Influenza	1
Malaria	1
Measles	2
Pneumonia	2
Poliomyelitis:	
Eugene	2
Portland	1
Salem	1
Puerperal septicemia	1
Scabies	1
Scarlet fever:	
Portland	13
Scattering	5
Smallpox	23
Trachoma	1
Tuberculosis	6
Typhoid fever	4

SOUTH DAKOTA.

Cerebrospinal meningitis	2
Chicken pox	5
Diphtheria	13
Ophthalmia neonatorum	3
Pneumonia	1
Poliomyelitis	2
Scarlet fever	56
Smallpox	12
Typhoid fever	3

TEXAS.

	Cases.
Chicken pox	15
Diphtheria	205
Influenza	14
Pellagra	15
Scarlet fever	64
Typhoid fever	18

VERMONT.

Chicken pox	66
Diphtheria	14
Measles	5
Mumps	21
Pneumonia	2
Poliomyelitis	4
Scarlet fever	27
Typhoid fever	3
Whooping cough	9

WASHINGTON.

Chicken pox	78
Diphtheria:	
Chehalis	26
Scattering	42
Measles	4
Mumps	10
Poliomyelitis:	
Aberdeen	1
Chehalis	1
Davenport	1
Fife	1
Kelso	1
King County	2
Lincoln County	1
Pierce County	1
Seattle	2
Spokane	2
Spokane County	1
Sumner	3
Tacoma	1
Scarlet fever:	
Spokane	11
Scattering	15
Smallpox:	
Spokane	18
Tacoma	12
Scattering	41
Tuberculosis	14
Typhoid fever	11
Whooping cough	38

WEST VIRGINIA.

Diphtheria:	
Charleston	15
Clarksburg	13
Elkins	20
Fairmont	9
Huntington	14
Parkersburg	9
Scattering	26
Scarlet fever	27
Smallpox	5
Typhoid fever	7

WISCONSIN.

Milwaukee:	
Cerebrospinal meningitis	1
Chicken pox	57
Diphtheria	44

WISCONSIN—continued.

Milwaukee—Continued.	Cases.
German measles	1
Measles	3
Pneumonia	8
Scarlet fever	31
Smallpox	6
Tuberculosis	13
Typhoid fever	2
Whooping cough	14
Scattering:	
Cerebrospinal meningitis	1
Chicken pox	50

WISCONSIN—continued.

Scattering—Continued.	Cases.
Diphtheria	103
Influenza	3
Measles	10
Pneumonia	1
Poliomyelitis	4
Scarlet fever	167
Smallpox	35
Tuberculosis	18
Typhoid fever	7
Whooping cough	38

Delayed Reports for Week Ended Oct. 29, 1921.

DISTRICT OF COLUMBIA.

	Cases.
Chicken pox	4
Diphtheria	25
Influenza	2
Lethargic encephalitis	1
Measles	8
Scarlet fever	19
Smallpox	1
Tuberculosis	19
Typhoid fever	3
Whooping cough	3

KENTUCKY.

Chicken pox	2
Diphtheria:	
Christian County	13
Daviess County	48
Henderson County	8
Jefferson County	74
Logan County	8
Scattering	55
German measles	2
Influenza	13
Measles:	
Grant County	2
Jefferson County	9
Pneumonia	17
Poliomyelitis—Ohio County	1
Scarlet fever:	
Jefferson County	13
Owen County	8
Scattering	28

KENTUCKY—continued.

	Cases.
Smallpox:	
Fulton County	11
Scattering	4
Tonsillitis	3
Trachoma	22
Tuberculosis:	
Jefferson County	10
Scattering	3
Typhoid fever	24
Whooping cough	1

NEW YORK.

(Exclusive of New York City.)

Cerebrospinal meningitis	4
Diphtheria	313
Influenza	14
Lethargic encephalitis	4
Measles	29
Pneumonia	162
Poliomyelitis:	
Deposit	1
Hempstead	1
Parishville	1
Rochester	1
Webster	1
Wilna	1
Scarlet fever	241
Smallpox	2
Typhoid fever	106
Whooping cough	38

SUMMARY OF CASES REPORTED MONTHLY BY STATES.

The following summary of monthly State reports is published weekly and covers only those States from which reports are received during the current week:

State.	Cerebrospinal meningitis.	Diphtheria.	Influenza.	Malaria.	Measles.	Pellagra.	Poliomyelitis.	Scarlet fever.	Smallpox.	Typhoid fever.
1921.										
Arizona (September)		5			1					9
California (September)	11	527	38	47	49	2	65	236	246	115
Colorado (September)		263			9			58	29	93
Iowa (August)	11	66					48	89	18	
Montana (September)		27	4		5		12	25	64	25
Ohio (September)	5	2,196	29	3	53		69	758	39	761
Virginia (September)	14	734	243	581	102	22	16	230	15	320

TYPHUS FEVER.

New York, N. Y.

Two cases of typhus fever have been reported in New York City as follows: One case on October 27 and one on November 2.

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921.

CEREBROSPINAL MENINGITIS.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Oct. 22, 1921.	
		Cases.	Deaths.
California:			
San Francisco	0	1	.....
District of Columbia:			
Washington	0	1	1
Illinois:			
Chicago	2	1	1
Maryland:			
Baltimore	0	2	.....
Massachusetts:			
Woburn	0	1	1
Michigan:			
Ann Arbor	0	.....	1
Muskegon	.....	1	.....
Minnesota:			
Duluth	0	1	.....
Missouri:			
Kansas City	0	1	.....
New Jersey:			
Jersey City	0	1	.....
New York:			
Cohoes	0	.....	1
New York	2	6	2
Ohio:			
Cleveland	0	1	.....
Oklahoma:			
Tulsa	.....	1	.....
West Virginia:			
Huntington	0	.....	1

DIPHTHERIA.

See p. 2802; also Telegraphic weekly reports from States, p. 2791, and Monthly summaries by States, p. 2795.

INFLUENZA.

City.	Cases.	Deaths.
Alabama:		
Birmingham	.....	1
California:		
Los Angeles	1	.....
San Francisco	1	.....
Stockton	1	.....
Connecticut:		
Bridgeport	1	1
Hartford	1	.....
District of Columbia:		
Washington	1	.....
Florida:		
Tampa	5	.....
Georgia:		
Albany	1	.....
Atlanta	5	.....
Illinois:		
Chicago	12	1
Chicago Heights	.....	1
Danville	1	.....
Indiana:		
Kokomo	.....	1
Louisiana:		
New Orleans	2	2
Maryland:		
Baltimore	4	1
Massachusetts:		
Boston	2	.....
Everett	1	.....
Haverhill	2	.....
Massachusetts—Continued.		
Lawrence	2	.....
Michigan:		
Detroit	2	.....
Grand Rapids	2	.....
Missouri:		
Kansas City	.....	1
New Jersey:		
New Brunswick	1	.....
New York:		
New York	29	4
Rochester	1	1
Saratoga Springs	3	.....
Troy	.....	1
Ohio:		
Cleveland	1	.....
Cleveland Heights	1	.....
Portsmouth	1	.....
Pennsylvania:		
Philadelphia	2	2
Rhode Island:		
Providence	1	.....
South Dakota:		
Sioux Falls	2	.....
Texas:		
Dallas	.....	1
Fort Worth	1	.....
Wisconsin:		
Kenosha	1	.....

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

LETHARGIC ENCEPHALITIS.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
California:			Kansas:		
Sacramento	1		Topeka	1	
Connecticut:					
Danbury	1				

MALARIA.

Alabama:			Illinois:		
Birmingham	1	1	Chicago	1	
Arkansas:			Louisiana:		
Fort Smith	2	1	New Orleans	3	
Little Rock	1		Maryland:		
North Little Rock	2		Baltimore	2	
California:			Massachusetts:		
Los Angeles	1		Northampton	1	1
Sacramento	1		Michigan:		
San Bernardino	1		Detroit	3	
Florida:			Missouri:		
Tampa	3		Kansas City	1	
Georgia:			New York:		
Atlanta	1		New York	1	
Brunswick	4		Tennessee:		
Rome	1		Memphis	10	5
Savannah	2				

MEASLES.

See p. 2802; also Telegraphic weekly reports from States, p. 2791, and Monthly summaries by States, p. 2795.

PELLAGRA.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Alabama:			Tennessee:		
Birmingham	1	2	Nashville		1
Georgia:			Texas:		
Atlanta		1	Dallas		1
Savannah		2	Waco		1
Louisiana:			Virginia:		
Baton Rouge	1		Portsmouth		1
North Carolina:			Roanoke		1
Raleigh		1			
Winston-Salem	2				

PNEUMONIA (ALL FORMS).

Alabama:			Delaware:		
Birmingham		5	Wilmington		3
Mobile		1	District of Columbia:		
Arizona:			Washington		8
Tucson		1	Florida:		
Arkansas:			Tampa		1
Fort Smith	1		Georgia:		
Little Rock	1		Albany	1	
California:			Atlanta		4
Los Angeles	18	7	Macon		3
Oakland	6	5	Savannah		3
Pasadena		3	Illinois:		
Sacramento		2	Alton	1	
San Bernardino		1	Aurora		1
San Francisco	6	4	Blue Island		1
San Jose		1	Chicago	121	24
Colorado:			Cicero	1	
Denver		3	Danville	2	
Pueblo		1	East St. Louis		1
Connecticut:			Elgin	3	1
Bridgeport		4	Freeport		1
Hartford		3	Galesburg		1
Meriden	2	1	Kewanee	2	
New Haven		2	Mattoon	2	
New London	1		Oak Park	2	
Norwalk		1	Peoria		1
			Springfield	1	

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.
Indiana:		
East Chicago		1
Elkhart	1	
Frankfort		1
Gary		1
Hammond		2
Indianapolis		11
Muncie		1
Terre Haute		2
Kansas:		
Hutchinson	1	
Kansas City	1	
Topeka	3	
Wichita		3
Kentucky:		
Covington		4
Louisville		7
Louisiana:		
New Orleans		11
Maine:		
Bangor	2	
Portland		1
Maryland:		
Baltimore	23	13
Cumberland		1
Massachusetts:		
Belmont		1
Boston	13	9
Brockton		2
Brookline		1
Cambridge		2
Chelsea		2
Chicopee		1
Fall River	3	
Framingham		2
Haverhill	1	
Holyoke		1
Lawrence	2	
Leominster		1
Lowell		2
Lynn	2	
Malden		2
New Bedford		1
Newton	3	1
Pittsfield	2	1
Somerville		1
Springfield	1	
Taunton		2
Watertown		1
Webster	1	
Worcester		6
Michigan:		
Ann Arbor		1
Detroit	46	12
Flint		1
Grand Rapids	4	2
Hamtramck	2	
Ishpeming		1
Jackson	3	1
Kalamazoo	2	1
Muskegon		1
Port Huron	4	
Minnesota:		
Hibbing		1
Minneapolis		8
St. Paul		6
Missouri:		
Kansas City	5	4
Montana:		
Anaconda		1
Great Falls		2
Missoula		1
Nebraska:		
Lincoln		2
Omaha		3
New Hampshire:		
Concord		1
New Jersey:		
Atlantic City		1
Clifton	2	1
Elizabeth		3
Englewood	1	
Hackensack		1
Hoboken		1
Jersey City	2	
Kearny		2
Morristown		2
New Brunswick		1
Newark		3
Orange	1	
Passaic	2	
Paterson	1	
Phillipsburg		1
Plainfield	1	
Trenton	3	1
West Orange	2	
New York:		
Albany	7	
Auburn		1
Binghamton	2	
Buffalo	11	8
Cortland	3	
Elmira	3	
Ithaca	1	
Jamestown	2	1
Middletown	1	
Mount Vernon	2	1
New York	209	83
Niagara Falls	2	1
Olean	1	
Port Chester	1	
Rochester		4
Saratoga Springs		1
Schenectady	1	
Syracuse	3	1
Troy		2
Yonkers	2	1
North Carolina:		
Charlotte		2
Wilmington	5	
Winston-Salem		2
Ohio:		
Akron	4	
Canton		2
Cincinnati		7
Cleveland	19	
Columbus		5
Cuyahoga Falls		1
Dayton	1	
Hamilton		1
Kenmore	1	
Portsmouth		1
Salem		1
Sandusky	1	
Springfield		2
Toledo		3
Zanesville		1
Oklahoma:		
Oklahoma City		1
Oregon:		
Portland		4
Pennsylvania:		
Philadelphia	42	28
Rhode Island:		
Pawtucket		2
Providence		3
South Carolina:		
Charleston		2
Tennessee:		
Memphis		6
Nashville		1
Texas:		
El Paso		3
Waco		1

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

PNEUMONIA (ALL FORMS)—Continued.

City.	Cases.	Deaths.	City.	Cases.	Deaths.
Utah:			West Virginia:		
Salt Lake City		6	Charleston		2
Vermont:			Huntington		1
Burlington		3	Wheeling		1
Virginia:			Wisconsin:		
Alexandria	1		Oshkosh		1
Danville		1	Racine		2
Norfolk		2			
Richmond		3			

POLIOMYELITIS (INFANTILE PARALYSIS).

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Oct. 22, 1921.		City.	Median for previous years.	Week ended Oct. 22, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
California:				Missouri:			
Los Angeles	0	2	1	Kansas City	0	2	1
Sacramento	0	1	1	Springfield		1	
San Bernardino		1		St. Louis	0	1	
San Francisco	0	2	1	New Jersey:			
Stockton	0	6		Belleville		1	
Connecticut:				Elizabeth	0		1
New Haven	0	4	1	Jersey City	0	1	
Illinois:				New York:			
Chicago	3	8		Middletown	0	1	1
Cicero		1		New York	3	42	5
Danville	0	1	1	Ohio:			
Indiana:				Cleveland	1	1	
Mishawaka	0	1		Pennsylvania:			
Louisiana:				Chester		2	
Baton Rouge		1		Philadelphia	0	8	1
Maryland:				Pittsburgh	1	1	
Baltimore	0	6		Wilkinsburg	0	2	
Massachusetts:				Rhode Island:			
Adams		1		Cumberland		1	
Cambridge	0	1		Texas:			
Chelsea	0	1		El Paso	0	1	
Chicopee	0	1		Utah:			
Haverhill	0	1		Salt Lake City	0	1	
Newburyport	0	1	1	Virginia:			
Pittsfield	0	1	1	Norfolk	0	2	
Michigan:				Washington:			
Detriot	1	3	1	Seattle	0	7	
Jackson	0	2		Tacoma	0	1	
Minnesota:				Wisconsin:			
Rochester		1		Madison	0	1	
St. Paul	0	1					

RABIES IN ANIMALS.

City.	Cases.
Massachusetts:	
Lawrence	1
Missouri:	
Kansas City	3

SCARLET FEVER.

See p. 2802; also Telegraphic weekly reports from States, p. 2791, and Monthly summaries by States, p. 2795.

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

SMALLPOX.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Oct. 22, 1921.	
		Cases.	Deaths.
Alabama:			
Mobile	0	1	.....
California:			
Long Beach	0	1	.....
Los Angeles	0	17	.....
Oakland	0	7	.....
Riverside	0	1	.....
San Francisco	0	2	.....
San Jose	0	5	.....
Santa Cruz	0	1	.....
Colorado:			
Denver	6	5	.....
Indiana:			
South Bend	0	1	.....
Iowa:			
Mason City	0	2	.....
Kansas:			
Kansas City	0	2	.....
Topeka	0	1	.....
Minnesota:			
Minneapolis	4	1	.....
St. Paul	3	2	.....
Virginia	.....	1	.....
Missouri:			
Kansas City	5	16	5
Montana:			
Great Falls	0	29	.....
Nebraska:			
Lincoln	1	1	.....
Ohio:			
Dayton	0	5	.....
Fremont	0	2	.....
Springfield	0	2	.....
South Carolina:			
Columbia	0	1	.....
Tennessee:			
Nashville	0	1	.....
Texas:			
Waco	0	1	.....
Utah:			
Salt Lake City	2	3	.....
Washington:			
Aberdeen	0	4	.....
Bellingham	0	1	.....
Seattle	1	2	.....
Spokane	5	7	.....
Tacoma	0	20	.....
Vancouver	0	2	.....
West Virginia:			
Bluefield	0	1	.....
Parkersburg	0	2	.....
Wisconsin:			
Milwaukee	2	4	.....
Oshkosh	1	1	.....
Racine	0	1	.....

TETANUS.

City.	Cases.	Deaths.
Alabama:		
Mobile	.....	1
Indiana:		
Indianapolis	.....	1
Massachusetts:		
Chelsea	1	.....
Haverhill	1	1
New Bedford	1	.....
Missouri:		
St. Louis	1	.....
New York:		
Schenectady	1	.....
Ohio:		
Piqua	1	1
Pennsylvania:		
Philadelphia	1	.....
Rhode Island:		
Newport	.....	1
South Carolina:		
Charleston	.....	1
Tennessee:		
Memphis	.....	1

TUBERCULOSIS.

See p. 2802; also Telegraphic weekly reports from States, p. 2791.

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

TYPHOID FEVER.

The column headed "Median for previous years" gives the median number of cases reported during the corresponding weeks of the years 1915 to 1920, inclusive. In instances in which data for the full six years are incomplete, the median is that for the number of years for which information is available.

City.	Median for previous years.	Week ended Oct. 22, 1921.	
		Cases.	Deaths.
Alabama:			
Birmingham	1	2	
Gadsden		1	
Mobile	0	1	1
California:			
Los Angeles	2	3	1
Sacramento	0	5	1
San Francisco	2	3	
Colorado:			
Denver	3	3	
Pueblo	1		1
Connecticut:			
Bridgeport	0	1	1
Manchester	0	2	
New Haven	2	2	
District of Columbia:			
Washington	7	3	1
Georgia:			
Atlanta	3	1	
Brunswick	0	1	1
Rome	0	1	
Savannah	1	2	
Idaho:			
Boise	0	1	
Illinois:			
Champaign		1	
Chicago	15	13	2
Cicero		1	
Danville	1	2	
Decatur	1	1	
Freeport	0	1	
Kewanee	0	3	
Springfield	0	4	1
Indiana:			
Elkhart	0	2	
Indianapolis	5	2	
Marion	0	1	1
Muncie	1	1	
South Bend	0	2	
Iowa:			
Muscatine	0	2	
Waterloo		1	
Kansas:			
Kansas City	1	6	
Kentucky:			
Lexington	1	1	
Louisville	3	4	1
Louisiana:			
New Orleans	4	12	1
Maine:			
Portland	1	1	
Maryland:			
Baltimore	17	11	1
Cumberland	1	2	1
Massachusetts:			
Adams	0	3	
Boston	3	10	1
Clinton	0	1	
Fall River	5	1	
Haverhill	0	2	
Lawrence	0	1	
Lowell	0	1	
New Bedford	2	4	
Northbridge		1	
Norwood		1	
Worcester	2	1	
Michigan:			
Detroit	10	2	3
Flint	2	2	
Jackson	0	1	
Kalamazoo	0	1	
Pontiac	0	1	
Minnesota:			
Rochester		1	
St. Paul	0	2	1
Missouri:			
Kansas City	3	3	1
St. Joseph	1	3	
St. Louis	8	4	2
Montana:			
Billings	0	1	
Nebraska:			
Omaha	1	4	
New Jersey:			
Atlantic City	1	1	1
East Orange	0	2	
Hoboken	0	1	
Jersey City	2	1	
Newark	1	1	
Trenton	2	5	
New Mexico:			
Albuquerque	1	1	
New York:			
Buffalo	4	4	1
Elmira	0	6	
Glens Falls	0	3	
Ithaca	0	1	
Lockport	0	1	
Newburgh	0	2	
New York	31	19	4
Niagara Falls	0	3	
Oneida		1	1
Peekskill	0	1	
Port Chester	0	1	
Rochester	1	2	
Syracuse	1	1	
Yonkers	0	2	
North Carolina:			
Durham	1	1	
Greensboro	0		1
Raleigh	0	1	
Wilmington	0	5	
Ohio:			
Cleveland	4	16	
Columbus	1	8	1
East Cleveland	0	3	
Fremont	1	3	
Lima	1		1
Sandusky	0	2	
Springfield	1	1	1
Toledo	4	29	3
Oklahoma:			
Oklahoma City	0	1	1
Oregon:			
Portland	2	1	2
Pennsylvania:			
Carrick		1	
Coatesville	0	4	
Johnstown	1	2	
Lancaster	0	1	
New Castle	1	1	
Philadelphia	14	14	2
Pittsburgh	3	9	
Reading	4	2	
Sunbury	0	1	
West Chester	0	1	
South Carolina:			
Charleston	0	1	
South Dakota:			
Sioux Falls	0	2	
Tennessee:			
Knoxville	3	2	1
Memphis	2	1	1
Nashville	3	2	2

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

TYPHOID FEVER—Continued.

City.	Median for previous years.	Week ended Oct. 22, 1921.		City.	Median for previous years.	Week ended Oct. 22, 1921.	
		Cases.	Deaths.			Cases.	Deaths.
Texas:				Washington:			
Dallas	0	2		Aberdeen	0	1	
Fort Worth	0	2		Seattle	0	3	
Utah:				Spokane	0	1	
Salt Lake City	1	1		West Virginia:			
Vermont:				Bluefield	0	15	
Burlington	0	1		Charleston	0	1	
Virginia:				Fairmont	0	1	
Alexandria	0	3		Parkersburg	0	1	
Danville	0	8	1	Wheeling	2		1
Lynchburg	0		1	Wisconsin:			
Norfolk	2	1		Beloit	0	1	
Richmond	2	1		Green Bay	0	4	
Roanoke	1	2		Racine	0	1	

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Alabama:										
Anniston	17,734		3						1	
Birmingham	178,270	51	28	1			14		4	5
Gadsden	14,737		17							
Mobile	60,151	20	4							
Montgomery	43,464	14	5	2						
Tuscaloosa	11,996		4							
Arizona:										
Tucson	20,292	17		1						4
Arkansas:										
Fort Smith	28,811	9	6	3			1		2	1
Hot Springs	11,695	4	3				2			
Little Rock	64,997		6				5		7	
North Little Rock	14,048		1						5	
California:										
Alameda	28,806	2			1					
Berkeley	55,886	9	2		1		1			1
Eureka	12,923	5							9	
Long Beach	55,593	22	4				4			
Los Angeles	576,673	151	88	1	3		14		51	12
Oakland	216,361	50	10				8		1	4
Pasadena	45,354	21					1		5	1
Richmond	16,843	3	1							
Riverside	19,341	5	4	1						2
Sacramento	65,857	18	10				1		3	
San Bernardino	18,721	8		1						3
San Diego	74,683	27	2				6		2	1
San Francisco	508,410	147	37	6	2		7		26	10
San Jose	39,604	6	5		1					
Santa Barbara	19,441	3	4							1
Santa Cruz	10,917	2								
Stockton	40,296	9	5		4		4			2
Vallejo	21,107	2		1						
Colorado:										
Colorado Springs	30,105	10	1				1		25	2
Denver	256,369	49	12	1			9			11
Pueblo	42,908	8	15	1			3			
Trinidad	10,906						1			
Connecticut:										
Bridgeport	143,538	21	13	1	1		7		5	2
Bristol	20,620	4								
Danbury (city)	18,943	3	1		1					
Derby	11,538	2								
Fairfield (town)	11,475	0							1	
Hartford	138,033	29	16	2	4		1	1		
Manchester (town)	18,370	2					1			

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Connecticut—Continued.										
Meriden (town)	34,739		5							
Milford (town)	10,193	2								1
New Haven	162,519	27	6	1	1		3		8	2
New London	25,688	6					4		1	
Norwalk	27,700	6								
Norwich (town)	29,685	6					3		2	1
Delaware:										
Wilmington	110,168	21	2				7			1
District of Columbia:										
Washington	437,571	128	23	1	3		9		13	18
Florida:										
Tampa	51,252	15	5				1		1	1
Georgia:										
Atlanta	200,616	61	7				8			2
Brunswick	14,413	6								
La Grange	17,038								1	
Macon	52,995	26								2
Rome	13,252		13				7			
Savannah	83,252	32	7	1			1		5	2
Valdosta	10,783	2	1							
Idaho:										
Boise	21,393	2	1				13			
Pocatello	15,001	4	4				1			
Illinois:										
Alton	24,682	4	3				2			
Aurora	36,397	14	24				2		6	2
Bloomington	28,725	11	8						2	
Blue Island	11,424	6	7	1						
Centralia	12,491	3					1		1	
Champaign	15,873						2			
Chicago	2,701,705	577	263	13	12		92	1	229	34
Chicago Heights	19,653	6		1						
Cicero	44,995	7	16	1			5			
Danville	33,750	8					9			
Decatur	43,818	16	15	2			5			1
East St. Louis	66,740	16	10				1			
Elgin	27,454	3	2						1	
Evanston	37,215	7	4				1			
Freeport	19,669	5	5		1		6			
Galesburg	23,834	5								
Jacksonville	15,713	5					1			
Kewanee	16,026	4	3		1		3			
La Salle	14,050	2	2							
Mattoon	13,552	3	15	1			3		2	
Oak Park	39,830	9					1		4	
Pekin	12,086		8	1	1		2			
Peoria	76,121	20	10				13			
Quincy	35,978	8	1	1			1		1	
Rockford	65,651	11	21				8			
Rock Island	35,177	5								
Springfield	59,183	20	5	1			4		5	1
Indiana:										
Bloomington	11,595	2	2				1			
East Chicago	35,967	9								
Elkhart	24,277						2		1	
Frankfort	11,585	4					2			
Gary	55,378	13	5	1			2			1
Hammond	36,004	10	3				6		1	
Huntington	14,000	3	6	2			5			
Indianapolis	314,194	72	94	2	21		2		2	5
Kokomo	30,067	4					6			
La Fayette	22,486	10	3				1			1
Logansport	21,626	3	1							
Marion	23,747	11	7	1			2			
Mishawaka	15,195	2	1				2		1	1
Muncie	33,624	7	3	1						
Richmond	26,765	2	1				1			
South Bend	70,983	12	5						1	
Terre Haute	66,083	15	29	2			2			1
Iowa:										
Burlington	24,057	3	1							
Council Bluffs	36,162	4	2				1			

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Iowa—Continued.										
Davenport	56,727						3			
Des Moines	126,468		6	2			14			
Iowa City	11,267		1				1			
Mason City	20,065	4					6			
Muscatine	16,068	4					1			
Ottumwa	23,003		6				5			
Sioux City	71,227		14	2			5			
Waterloo	35,230		4	1			2			
Kansas:										
Atchison	12,630		10				3			
Coffeyville	13,452	3	5		1				2	
Fort Scott	10,693	6	12				1			
Hutchinson	23,298		20							
Kansas City	101,177		28				5		4	
Lawrence	12,456	2					5			
Leavenworth	16,912		20	1			2		1	
Parsons	16,028	6	2				2			
Salina	15,085	6	4				1			
Topeka	50,022	20	60	1			5			1
Wichita	72,128	22	41				14			
Kentucky:										
Covington	57,121	19	4							5
Lexington	41,534	20	4	1			2			
Louisville	234,891	70	53	1	4		3		15	6
Louisiana:										
Baton Rouge	21,782	7	2	1			2		1	1
Monroe	12,675	5		1						
New Orleans	387,219	124	16				8		21	13
Maine:										
Auburn	16,985	6								
Bangor	25,978						3		1	
Bath	14,731	1					1			
Lewiston	31,791	8	1				5			
Portland	69,272	26	11							1
Sanford	10,691	3								1
Waterville	13,351		2				2			
Maryland:										
Baltimore	733,826	210	43	2	9		26		22	19
Cumberland	29,837	9	4		1		6			
Massachusetts:										
Adams	12,967	2					1			
Amesbury	10,036	0	1							
Arlington	18,665	3								
Attleboro	19,731	4							2	
Belmont	10,749	1								
Beverly	22,561	5								
Boston	748,060	173	55	3	21		43		34	16
Braintree	10,580	1			1					
Brockton	66,138	12	4						2	
Brookline	37,748	11								
Cambridge	109,694	24	3		1		3		10	3
Chelsea	43,184	13	2				1			1
Chicopee	33,214	9	4	1			1		1	
Clinton	12,979	3								
Danvers	11,103								2	
Dedham	10,792	1								
Easthampton	11,261		3				1			
Everett	40,120	5	5				3			
Fall River	120,485	37	3				1		3	3
Framingham	17,033	7	3							1
Gardner	16,971	3					1		1	1
Greenfield	15,462	5	1				3			
Haverhill	53,884	13	7	1			2		1	1
Holyoke	60,203	7	3				1		3	1
Lawrence	94,270	16	3				2		2	
Leominister	19,744	4					1			
Lowell	112,479	33	9	1	2		2		2	1
Lynn	99,148	17	12	2	3		1		2	1
Malden	49,103	11	4	2					3	
Medford	39,038	4	1		22				1	
Melrose	18,204	4	1						1	
Methuen	15,189	3	1				1			

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Massachusetts—Continued.										
Natick	10,907								1	
New Bedford	121,217	24	10	1			4		5	2
Newburyport	15,618	4								
Newton	46,054	6	6	1			1			
North Adams	22,282	4					1		1	
Northampton	21,951	9			1		1			
Northbridge	10,174	0							1	
Norwood	12,627	1			1					
Peabody	19,552	2	2						2	
Pittsfield	41,751	11	11				1	1		2
Plymouth	13,045	4								
Quincy	47,878	7			1		1		2	2
Salem	42,529	7	2		1		1		1	
Somerville	93,091	14	5				2		3	1
Southbridge	14,245	1					2			
Springfield	129,563	29	8		1		4		6	4
Taunton	37,137	22								1
Wakefield	13,025	1	2				2		1	
Waltham	30,915	7	4				1		1	
Watertown	21,457	5	2						1	
Webster	13,258	4								
West Springfield	13,443	4							1	1
Westfield	18,604	4	3							1
Winthrop	15,455	2								
Woburn	16,574	5								
Worcester	179,754	36	14	1	2		14	1	4	3
Michigan:										
Alpena	11,101		1				9			
Ann Arbor	19,516	12	6	1	1		1			
Battle Creek	36,164		7				6			
Benton Harbor	12,233	3	1				3		1	
Detroit	993,739	190	100	9	27		63	2	42	6
Flint	91,599	17	20				22			1
Grand Rapids	137,634	33	18	1			9		2	
Hamtramck	48,615	12	8						1	
Highland Park	46,499	8	3		2		2			
Ishpeming	10,500	1								
Jackson	48,374	8	5	1			8			
Kalamazoo	48,858	17	13				9			
Marquette	12,718	3					1			
Muskegon	36,570	8	3				3			
Pontiac	34,273	9	6				6		1	
Port Huron	25,944	4	4				1		2	
Sault Ste. Marie	12,096	3								
Minnesota:										
Austin	10,118	4					4			
Duluth	98,917	13	12				1		4	1
Hibbing	15,089	1					2			
Minneapolis	380,582	71	108	1	3		55	2	37	5
Rochester	13,722	20					1			
St. Cloud	15,873		4				6			
St. Paul	234,595	45	15				27		13	6
Winona	19,143	4	3				3			
Missouri:										
Independence	11,686	5								
Joplin	29,855		3				2			
Kansas City	324,410	76	91	2	2	1	16		1	3
St. Joseph	77,939	26	10	2			14	1		
St. Louis	772,897	190	102	1	1		14	1	28	9
Springfield	39,631	11	38				2			
Montana:										
Billings	15,100	3	1							
Butte	41,611	9								
Great Falls	24,121	8	2				1			
Missoula	12,668	4							1	
Nebraska:										
Lincoln	54,934	14	3		1				1	
Omaha	191,601	41	36	2			6			
Nevada:										
Reno	12,016	4								
New Hampshire:										
Berlin	16,104	1								
Concord	22,167	5					2			

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New Hampshire—Continued.										
Dover	13,029	4								
Keene	11,210	3					1			1
New Jersey:										
Asbury Park	12,400	7							1	
Atlantic City	50,682	11	2				1		1	
Bayonne	76,754		3						2	
Belleville	15,660		1				1			
Bloomfield	22,019	0	2		8		3			
Clifton	26,470	5	4	1						
East Orange	50,710						1		6	
Elizabeth	95,682		12		1		7			1
Englewood	11,627	1								
Garfield	19,381	3	2							
Gloucester City	12,162		1							
Hackensack	17,667	6								
Harrison	15,721								2	
Hoboken	68,166	17	5				2		2	1
Irvington	25,480		2							
Jersey City	297,864		17		6		6		8	
Kearny	26,724	5	1				1		3	
Montclair	28,810	5	1		1		5			
Morristown	12,548	11	1							1
New Brunswick	32,779	6	3	1			1		5	
Newark	414,216	70	19		7		14		19	6
Orange	33,268	4	4						1	
Passaic	63,824	7	3				1		5	1
Paterson	135,866		3				5		1	
Perth Amboy	41,707	7	7		1		3		1	1
Phillipsburg	16,923	3								
Plainfield	27,700	6	9		1		2			1
Rahway	11,042	1	4				1			
Summit	10,174	1								
Trenton	119,289	44	3	1			3		6	1
Union	20,651		2							
West Hoboken	40,068	2	2		1				1	
West New York	29,926	0	2		1				1	
West Orange	15,573	1							1	
New Mexico:										
Albuquerque	15,157	12	2				2		2	7
New York:										
Albany	113,344		9				2		3	
Auburn	36,192	11	5				2			1
Binghampton	66,800	14	12	1			8			
Buffalo	506,775	105	33	2	1		33	1		8
Cohoes	22,987	5					2			1
Cortland	13,294	0	8				1		1	
Elmira	45,305	14	2		3		6			1
Geneva	14,648	9								1
Glens Falls	16,638	7	1				1			
Herkimer	10,453	2	3	1			1		1	
Hudson	11,745	3	3						2	
Ithaca	17,004	4	13				1		3	
Jamestown	38,917	5	5				1			
Lockport	21,308	4	3	1			1			
Middletown	18,420			1			1		1	
Mount Vernon	42,726	5	2				1			
Newburgh	30,366	4					2		2	
New York	5,621,151	1,211	184	14	41	1	97	2	[1] 279	[1] 91
Niagara Falls	50,760	8	3		2		14			
North Tonawanda	15,482	7	7							
Olean	20,506	6	2				1			
Oneida	10,541	1					1			
Peekskill	15,868	3					1		1	
Port Chester	16,573	2	2				3		1	
Poughkeepsie	35,000	9	1				1			
Rochester	295,750	64	16	2			7		4	2
Rome	26,341	12	1							
Saratoga Springs	13,181	9							1	
Schenectady	88,723	11	13	1			4		4	1
Syracuse	171,717	41	25	1	4		19		2	1
Troy	72,013	12	1				1		7	1

[1] Pulmonary tuberculosis only.

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
New York—Continued.										
White Plains	21,031	5	1				3			
Yonkers	100,226	14	4	1			6			2
North Carolina:										
Charlotte	46,338	17	20				1		2	2
Durham	21,719	4	3							1
Greensboro	19,861	5		1						
Raleigh	24,418	14	10				3			1
Rocky Mount	12,742	6								1
Salisbury	13,884	1								
Wilmington	33,372	12	3				5		4	
Winston-Salem	48,395	13	6		1		4	2	2	2
North Dakota:										
Fargo	21,961	0					9			
Ohio:										
Akron	208,435	31	25				23		19	
Alliance	21,603	4								
Barberton	18,811	3	1				2			
Bucyrus	10,425	0	1							
Canton	87,091	14	16	2			10			
Cincinnati	401,247	102	32	3	3		7		10	13
Cleveland	796,836		60		10		49			
Columbus	237,031	73	40	2			15	1	4	4
Cuyahoga Falls	10,200	1	1		1					
Dayton	152,559	38	17				6		3	
East Cleveland	27,292	2					1		1	
Elyria	20,474	4					6			
Findlay	17,021	5					1			
Fremont	12,468	4	3							
Hamilton	39,675	18	6	1			7			1
Ironton	14,007	3	2				1			
Kenmore	12,683		2							
Lancaster	14,703	8	6	1			1			
Lima	41,306	12	14							
Lorain	37,295		10				12			
Marion	27,891		11							
Middletown	23,594	5	9	2						
Newark	26,718	9	20				4			
New Philadelphia	10,718		10							
Norwood	24,966	3								
Piqua	15,044	3	1							
Portsmouth	33,011	10	5				2			
Salem	10,305	3								
Sandusky	22,897	7								1
Springfield	60,840	23	75	2						
Steubenville	28,508	9	1				1		1	
Tiffin	14,375	9								1
Toledo	243,109	46	54	1	1		3		1	7
Youngstown	132,358		5	1	2		8			
Zanesville	29,569	13	9	1						
Oklahoma:										
Oklahoma City	91,258	25	11	1			12		2	
Tulsa	72,075		6		2		7			
Oregon:										
Portland	258,288	55	28	3			7		1	2
Pennsylvania:										
Allentown	73,502		8				2		2	
Altoona	60,331		7				5			
Ambridge	12,730		1				2			
Berwick	12,181		2							
Bethlehem	50,358		8				6			
Braddock	20,879						1		1	
Butler	23,778		1				2			
Canonsburg	10,632						2			
Carbondale	18,640		2							
Carnegie	11,516		1							
Carrick	10,504						1			
Charleroi	11,516		2				1			
Chester	58,030		1							
Dickson City	11,019		2							
Donora	14,131		2							
Dubois	13,681		6							
Duquesne	19,011		5				9			
Easton	33,813		2				1			

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Pennsylvania—Continued.										
Erie	93,372		3				1		5	
Farrell	15,586				9		1			
Greensburg	15,033		1							
Harrisburg	75,917		1				1			
Hazleton	32,277		3				3			
Johnstown	67,327		5		9				2	
Lancaster	53,150		6				5			
McKeesport	45,975		3		1		1			
McKees Rocks	16,713		8						4	
Meadville	14,568						1			
Monessen	18,179		4				1			
Nanticoke	22,614		5							
New Castle	44,938		4				11			
New Kensington	11,987		1		1					
Norristown	32,319		6							
Oil City	21,274				1					
Old Forge	12,237		2							
Philadelphia	1,823,158	403	50	3	3		73		73	44
Phoenixville	10,484		1							
Pittsburgh	588,193		46		3		36		27	
Pittston	18,497		1							
Plymouth	16,500		3							
Pottstown	17,431						6			
Pottsville	21,876		1							
Punxsutawney	10,311						1			
Reading	107,784		9				1		1	
Scranton	137,783		14		1		2		5	
Sunbury	15,721		1							
Uniontown	15,692		2				1			
Warren	14,256						4			
Washington	21,480		1		1		1			
West Chester	11,717						1			
Wilkes-Barre	73,833		9		2		2			
Wilkinsburg	24,403		2							
Williamsport	36,198		1				1		1	
Woodlawn	12,495		2				1			
York	47,512		7				2			
Rhode Island:										
Cranston	29,407	6	1							
Newport	30,255	7	1				7			
Pawtucket	64,248	17	10							
Providence	237,595	61	4		1		2			7
South Carolina:										
Charleston	67,957	19	7		1		13		1	2
Columbia	37,524		6				6			
South Dakota:										
Sioux Falls	25,176	10	1				1			
Tennessee:										
Knoxville	77,818		13	2			1		2	2
Memphis	162,351	73	19		3		4		3	3
Nashville	118,342	31	27	1			2		4	3
Texas:										
Beaumont	40,422	14	1							
Corpus Christi	10,522	3	1	1						
Dallas	158,976	44	7				5		2	3
El Paso	77,543	32	2				1			5
Fort Worth	106,482		2				2			
Galveston	44,255	9								
Houston	138,075	37	7							4
Waco	38,500	11	3	1					3	2
Utah:										
Salt Lake City	118,110	30	6				8			
Vermont:										
Burlington	22,779	7	11	2			2			
Rutland	14,954	2					2			1
Virginia:										
Alexandria	18,060	4							1	
Danville	21,530	9	10				3			
Lynchburg	29,955	12	7				1		1	2
Norfolk	115,777		4				2		1	3
Petersburg	31,002	8	2				3		3	2
Portsmouth	54,387	10	5				1		1	1
Richmond	171,667	39	13		1		13		9	4
Roanoke	50,842	9	25	1			13		1	1

CITY REPORTS FOR WEEK ENDED OCT. 22, 1921—Continued.

DIPHTHERIA, MEASLES, SCARLET FEVER, AND TUBERCULOSIS—Continued.

City.	Population January 1, 1920, subject to correction.	Total deaths from all causes.	Diphtheria.		Measles.		Scarlet fever.		Tuberculosis.	
			Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
Washington:										
Bellingham	25,570				1					
Seattle	315,652		7		1		1		24	
Spokane	104,437		4				17			
Tacoma	96,965		7		1					
West Virginia:										
Bluefield	15,282		9				1			
Charleston	39,608	13	11	1			4		2	
Fairmont	17,851		2				2			
Huntington	50,177	11	18	1			2			
Martinsburg	12,515		2							
Morgantown	12,127		2				3		1	1
Moundsville	10,669	4	1				2			
Parkersburg	20,050	5	12	1			1			1
Wheeling	54,322	16	18				13	1		1
Wisconsin:										
Appleton	19,561						11			
Beloit	21,284	3	1							
Eau Claire	20,880						2			
Fond du Lac	23,427	5	2				1			
Green Bay	31,017	5	6				1			
Janesville	18,293	2								
Kenosha	40,472	4	14				1		1	1
La Crosse	30,363		5				12			
Madison	38,378	5	2				1		1	
Manitowoc	17,563						1		26	
Marinette	13,610						2			
Milwaukee	457,147		34		1		25		13	
Oshkosh	33,162	14	7	1			1			
Racine	58,593	14	9				9			
Sheboygan	30,955		10							
Superior	39,624	13	5				12			
Wausau	18,661		1				2			
Wyoming:										
Cheyenne	13,829	2								

FOREIGN AND INSULAR.

PLAGUE RATS ON VESSELS.

Australia.

Under date of September 21, 1921, plague-infected rats were stated to have been conveyed from Brisbane, Queensland, to other ports in the State, and to Sydney in the State of New South Wales.

AUSTRALIA.

Plague—Plague-infected Rats—Queensland.

The occurrence of plague in Queensland, Australia, has been reported under dates of September 17 and 24, 1921, as follows: At Brisbane, one case ending fatally August 23, 1921, occurring in an employee in a produce store; at Kelvin Grove, September 20, 1921, a death from plague in a person employed as office cleaner in the city of Brisbane; at Townsville, a fatal case occurring September 21, 1921.

During the period September 17 to 24, 1921, of 4,269 rats examined at Brisbane, 28 rats were found plague infected. One plague-infected rat was reported found on the steamship *Kuranda*.

Plague-infected Rats—Sydney.[1]

At Sydney, New South Wales, Australia, the finding of plague rats on the wharves and of one plague rat on a vessel arriving from Brisbane was reported during the two weeks ended September 24, 1921.

JAMAICA.

Infectious Disease (Alastrim or Kaffir Pox).

During the week ended October 15, 1921, 37 new cases of alastrim or Kaffir pox were reported in the Island of Jamaica.

Typhoid Fever—Kingston and Vicinity.

During the period under report two cases of typhoid fever were reported in Kingston and 27 cases in the surrounding country.

MEXICO.

Yellow Fever—Manzanillo.

A case of yellow fever was reported at Manzanillo, Mexico, during the week ended October 15, 1921.

[1] See Public Health Reports, Nov. 4, 1921, p. 2753.

PERU.

Plague—September, 1921.

During the month of September, 1921, 45 cases of plague with 22 deaths were reported in Peru. The cases were distributed according to Departments as follows: *Cajamarca*, present in country district of Cajamarca, and at Bambamarca and vicinity; *Callao*, one case with one death at Callao; *Lambayeque*, 2 cases at Chiclayo; *Libertad*, 3 cases at San Pedro; *Lima*, 16 cases with 4 deaths occurring at Huacho (9 cases, one death), Lima city, (2 cases with one death); Lima country district (5 cases with 2 deaths); *Piura*, 23 cases with 17 deaths at Sechura.

RHODES.

Plague.

A fatal case of plague was reported in the Island of Rhodes, Ægean Sea, late in August, 1921. Under date of October 3, 1921, three additional cases were reported as occurring during the period September 20–24, 1921.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER.

Reports Received During Week Ended Nov. 11, 1921.[1]

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Shanghai	Sept. 26–Oct. 2	6		One case, foreign.
India				Aug. 31–Sept. 13, 1921: Deaths, 46,051.
Bombay	Sept. 11–17	3	3	
Karachi	Sept. 25–Oct. 1	9	8	
Indo-China:				
Saigon	Aug. 28–Sept. 3	1	1	
Philippine Islands:				
Manila	Sept. 10–17	2		
Siam:				
Bangkok	Aug. 28–Sept. 3	1	1	

PLAGUE.

Algeria:				
Algiers	Oct. 1–10	1		
Australia:				
New South Wales—				
Sydney	Sept. 11–24			Plague rats found on wharves and one rat from vessel from Brisbane.
Queensland	Sept. 17–24			Plague rats found, 28.
Brisbane	Aug. 23		1	Employee in produce store.
Kelvin Grove	Sept. 20		1	Office cleaner at Brisbane. One plague rat.
Townsville	Sept. 21		1	Two plague rats found.
China:				
Amoy	Sept. 11–24			Present.
Ecuador:				
Guayaquil	Sept. 16–30	5	2	Plague rats found, 79.
Egypt				Jan. 1–Oct. 6, 1921: Cases, 306, deaths, 129.

[1] From medical officers of the Public Health Service, American consuls, and other sources.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received During Week Ended Nov. 11, 1921—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
India:				
Bombay	Sept. 11-17	7	6	
Karachi	Sept. 25-Oct. 1	1	1	
Madras Presidency	do	149	97	
Rangoon	Sept. 11-24	58	59	
Italy:				
Naples	Oct. 7	1		Workman in mill, in commune of San Giovanni a Teduccio.
Java:				
East Java—				
Surabaya	Aug. 28-Sept. 17	10	10	
Peru				Sept. 1-30, 1921: Cases, 45; deaths, 22.
Department—				
Cajamarca	Sept. 1-30			Present. At Bambamarca, Cajamarca, and other localities.
Callao	do	1	1	At Callao.
Lambayeque	do	2		At Chiclayo.
Libertad	do	3		At San Pedro.
Lima	do	16	4	At Huacho, cases 9, deaths, 1; Lima city, cases, 2, deaths, 1; country, cases, 5, deaths, 2.
Piura	do	23	17	At Sechura.
Rhodes (Island)	Sept. 20-24	3		One fatal case reported late in August, 1921.
Siam:				
Bangkok	Aug. 28-Sept. 3	2	1	
On vessels				Plague rats reported, Sept. 21, 1921, on vessels from Brisbane, Australia, at Sydney and other ports.

SMALLPOX.

Asia Minor:				
Smyrna	Oct. 2-8	1		In district.
Brazil:				
Rio de Janeiro	Sept. 18-Oct. 1	17	8	
British East Africa:				
Zanzibar	Aug. 1-31	14	6	Districts and towns.
Canada:				
New Brunswick—				
St. Stephen	Oct. 23-29	1		
Chile:				
Concepcion	Sept. 5-19	3		Reported present in Chillan and Mulchen.
Valparaiso	Sept. 11-Oct. 1		24	
China:				
Amoy	Sept. 11-24			Present.
Chungking	Sept. 11-17			Do.
Dominican Republic:				
San Pedro de Macoris	Oct. 9-15	2	2	
Ecuador:				
Guayaquil	Sept. 16-30	3		
Haiti:				
Cape Haitien	Oct. 2-22	28	2	
Port au Prince	Oct. 9-22			Present.
India				July 31-Aug. 6, 1921: Deaths, 295.
Madras	Sept. 25-Oct. 1	17	7	
Mesopotamia:				
Bagdad	Aug. 1-31	20	4	
Mexico:				
Mexico City	Sept. 4-17	22		Including localities in Federal district.
Portugal:				
Lisbon	Sept. 18-24	9	2	
Oporto	Oct. 9-15	1		
Straits Settlements:				
Singapore	Sept. 9-15	2	1	
Tunis:				
Tunis	Oct. 8-14	1		
On vessel:				
S. S. Montoro	Aug. 31	1		At Batavia, Java, from Singapore, Aug. 27. Vessel proceeded from Batavia to Port Darwin and Townsville.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received During Week Ended Nov. 11, 1921—Continued.

TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	Oct. 1-10	1		
Asia Minor:				
Smyrna	Oct. 2-8	1		In district.
Chile:				
Valparaiso	Sept. 11-17		1	
China:				
Antung	Sept. 26-Oct. 2	1		From report of Japanese Settlement and Danish Mission among Chinese.
Egypt:				
Alexandria	Oct. 1-7	2	1	
Cairo	Aug. 13-19	10	7	
Great Britain:				
Dublin	Oct. 9-15	1		
Mesopotamia:				
Bagdad	Aug. 1-31	1		
Mexico:				
Mexico City	Sept. 4-17	25		Including municipalities in Federal district.
Russia:				
Latvia—				
Libau	Sept. 8-15	2		
Siberia—				
Vladivostok	Aug. 1-31	18		
Turkey:				
Constantinople	Sept. 26-Oct. 8	7		

YELLOW FEVER.

Mexico:				
Manzanillo	Oct. 9-15	1		

Reports Received from July 2 to Nov. 4, 1921.

CHOLERA.

Place.	Date.	Cases.	Deaths.	Remarks.
China:				
Amoy	July 3-Sept. 10		15	
Hongkong	Aug. 22-28	37	8	Cases: Chinese, 34; foreign, 3. Deaths, Chinese, 5; foreign, 3.
Shanghai	Aug. 1-Sept. 24	61	10	Cases: Chinese, 18; foreign, 43.
Swatow	Aug. 14-20	1	1	
Germany:				
East Prussia—				
Königsberg	Oct. 10	3	1	
India				Mar. 6-June 25, 1921: Deaths, 75,281. July 3-30, 1921; Deaths, 46,999.
Bombay	May 1-June 18	11	10	
Do	June 26-Sept. 3	74	45	
Calcutta	May 8-June 25	597	521	
Do	June 26-Sept. 10	163	143	
Karachi	July 10-Sept. 17	141	126	
Madras	May 15-June 25	3	2	
Do	June 26-Aug. 27	13	6	
Rangoon	Apr. 24-June 25	18	17	
Do	June 26-Sept. 10	21	14	
Indo-China				Jan. 1-31, 1921: Cases, 80; deaths, 15. May 29-June 12, 1921: Cases, 251; deaths, 202.
City—				
Cholon	June 6-12	5	4	
Saigon	May 9-June 12	65	44	
Do	July 4-Aug. 27	103	94	Disseminated in neighboring Provinces.
Province—				
Anam	Jan. 1-31	42		In January, 1920: No cases.
Cambodia	do	8	2	January, 1920: Cases, 27; deaths, 14.
Cochin-China	do	18	9	January, 1920: Cases, 13; deaths, 10.
Tonkin	do	12	4	January, 1920: No cases.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 2 to Nov. 4, 1921—Continued.

CHOLERA—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Philippine Islands:				
Manila	May 22-June 25	4		
Do	July 3-Sept. 3	31	2	
Province—				
Batangas	June 12-18	2	1	
Do	July 3-23	7	3	
Cavite	July 10-Aug. 6	2	1	
Cebu	June 26-July 2	1		
Laguna	June 19-25	1		
Do	July 3-6	1	1	
Mindoro	June 12-18	1	1	
Pampanga	June 5-11	1	1	
Tarlac	June 19-25	1	1	
Union	June 26-Aug. 13	3	1	
Poland:				
Baranowicze	Aug. 18			Present.
Bialystok	July 25			Do.
Pinsk	do			Do.
Russia				Jan. 1-Aug. 10, 1921: Cases, 78,011. City of Moscow, cases, 289.
Districts—				
Astrakan	Jan. 1-Aug. 10	5,132		From Jan. 1 to July 13, 1921: 1,718 cases reported in Kuban Territory.
Black Sea	do	3,152		
Kazan	Jan. 1-July 13	434		
Kharkov	do	257		
Kursk	Jan. 1-Aug. 10	1,227		
Moscow	Jan. 1-July 13	296		City, 192 cases.
Orel	Jan. 1-Aug. 10	1,968		
Rjasan	Jan. 1-July 13	129		
Samara	Jan. 1-Aug. 10	5,315		
Saratov	do	7,201		
Simbirsk	do	1,160		
Tambov	do	2,561		
Tzaritzyn	do	3,028		
Ufa	do	5,196		
Voronezh	do	3,621		
Petrograd	July 6	6		
Republics—				
Basjkir	Jan. 1-Aug. 10	1,038		
Kirghiz	do	5,687		
Tartar	do	1,178		
Tchuvash	do	233		
Rostov-on-Don	June 1	747		Present on Orenburg-Tashkent line, and at Cheljabinsk, Perm, Petropavlosk, Ufa, and in Smolensk and Vitebsk districts during period under report.
Territories—				
Azerbeidjan	Jan. 1-Aug. 10	614		
Don	do	2,006		
Turkestan	do	5,583		
Ukraine	do			Very prevalent; reports incomplete.
Siberia	do	1,264		Far Eastern Republic.
Siam:				
Bangkok	Apr. 24-June 11	19	4	
Do	June 26-Aug. 27	5	1	
Straits Settlements:				
Singapore	June 12-18	1	1	

PLAGUE.

Algeria:				
Algiers	Aug. 1-31	1	1	
Aumale district	May 31-July 3	71	22	Native district about 140 kilometers from Algiers.
Douar Megnine	May 31-Aug. 24	185	97	
Oran	Sept. 20-30	1	1	
Asia Minor:				
Smyrna	June 19-25	1		In suburbs.
Do	July 3-Sept. 3	4		
Australia:				
Sydney	Oct. 8			Dead plague-infected rats found on wharf.
Azores:				
Fayal Island—				
Horta	Sept. 4-10	1		
St. Michael Island—				
Capelas	Aug. 6-12	1	1	
Ribeira Grande	Aug. 6-Sept. 24	33	10	10 miles from port of Ponta Delgada.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 2 to Nov. 4, 1921—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Brazil:				
Bahia	May 15–June 18	3	2	
Do	July 31–Aug. 27	2	2	
Maranhao	June 28	1	1	
Pindobassu				Locality 200 miles west of Bahia; plague reported epidemic during August, 1921, with 60 deaths.
British East Africa:				
Kenya Colony—				
Kisumu	Apr. 24–May 21			Present.
Do	June 25–Aug. 6			Do.
Uganda	Mar. 1–June 30	133	101	Reports of native chiefs show 2,709 deaths during same period.
Cape Verde Islands:				
St. Vincent	Aug. 12–18	6	3	
Ceylon:				
Colombo	May 8–June 11	2	2	
Do	June 26–Aug. 27	5	5	7 cases rodent plague.
Chile:				
Iquique	Sept. 17	1		
China:				
Amoy	May 15–June 25	7	2	
Do	July 3–Sept. 10		42	
Foochow	May 15–21			Present.
Hongkong	Apr. 24–June 25	81	59	May 1–7, 1921: Plague rats found.
Do	June 26–Aug. 20	38	27	
Manchuria—				
Harbin	May 3–22	46		
Ecuador:				
Guayaquil	May 1–June 15	10	1	
Do	July 16–Sept. 15	4	2	Plague rats found: Aug. 1–31, 1921, 54.
Egypt				Jan. 1–Sept. 1, 1921: Cases, 266; deaths, 107.
City—				
Alexandria	May 21–June 24	10	3	
Do	July 1–Sept. 30	47	11	
Port Said	June 16–27	4	2	
Do	July 1–Sept. 30	18	7	
Suez	May 20–June 30	9	5	
Do	July 1–18	5	3	
Province—				
Assiout	May 24–June 16	9	7	
Do	July 30	1		
Beni-Sonef	July 10	1		
Gharbieh	June 2–25	7		
Do	July 9–Sept. 1	9		
Girgeh	July 6–13	5	4	
Minieh	May 28–June 10	2	1	
Do	July 13–Aug. 18	7	3	
Greece:				
Piræus	Sept. 23	3		
Hawaii:				
Honokaa				Plague rat found, Sept. 8, 1921.
Kalopa	July 15–19	1	1	
Paauhau	May 21	1		
India				May 1–June 25, 1921: Cases, 2,093; deaths, 1,624. June 26–Sept. 3, 1921: Cases 3,570; deaths, 2,572.
Bombay	May 1–June 25	287	204	
Do	June 26–Sept. 3	62	44	
Calcutta	May 8–June 18	11	11	
Do	July 24–Aug. 6	23	21	
Central Provinces	Aug. 14–20	27	16	
Karachi	May 8–June 25	18	14	
Do	June 26–Sept. 17	4	4	
Madras	Aug. 20–27	1	1	
Madras Presidency	May 22–June 25	112	72	
Do	June 26–Sept. 17	1,103	706	
Rangoon	Apr. 24–June 25	162	142	
Do	June 26–Sept. 10	446	385	
Indo-China				Jan. 1–31, 1921: Cases, 57; deaths, 51.
Saigon	May 23–June 12	4	1	
Do	July 10–Aug. 27	16	11	Isolated cases in vicinity of Saigon.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 2 to Nov. 4, 1921—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Italy:				
Catania	Oct. 24	1		
Naples	Sept. 4	1		Worker in mill. Plague-infected rat found on premises.
Java:				
East Java—				
Surabaya	July 10-16	4	2	
Madagascar:				
Tananarive	June 20-July 24	49	46	Pneumonic.
Mauritius:				
Port Louis	Aug. 24			Present.
Mesopotamia:				
Bagdad	Apr. 1-May 31	32	35	
Do	July 1-31	1	1	
Mexico:				
Ciudad Victoria	June 7	1		In State of Tamaulipas: Case confirmed June 20, 1921.
Progreso				Plague rat reported found Sept. 10, 1921.
Tampico	June 11-30	36		
Do	July 1-Aug. 21	21	8	Infected rodents found July 1-Oct. 22, 1921, 171. Total, Jan. 1 to Oct. 22, 1921, 283.
Morocco:				
Spanish Zone				Reported present in epidemic form Sept. 29, 1921.
Peru				Mar. 1-Apr. 30, 1921: Cases, 119; deaths, 64. June 1-30, 1921: Cases, 14; deaths, 10. July 1-15, 1921: Cases, 9; deaths, 3. Sept. 16-30, 1921: Cases, 24; deaths, 9.
Department—				
Ancachs	Apr. 1-30	4	1	At Huarmey.
Arequipa	Mar. 1-Apr. 30	5	3	At Mollendo.
Do	July 1-15	2		Do.
Callao	Mar. 1-June 30	16	1	At Callao.
Do	July 1-Sept. 30	6	3	Do.
Lambayeque	Mar. 1-Apr. 30	3	2	At Chiclayo.
Libertad	Mar. 1-June 15	31	15	In 5 localities.
Lima	Mar. 1-June 30	43	23	At Lima City; Cases, 28; deaths, 18.
Do	July 1-Sept. 15	4	3	At Lima City.
Piura	Mar. 1-June 15	31	29	In 4 localities.
Do	Sept. 1-15	19	15	Deaths occurred at Sechura.
Poland				In border province, Aug. 9, 1921: Cases, 8.
Porto Rico				Total plague-infected rats found from beginning of outbreak to July 9, 1921: 90.
Caguas	Aug. 7-20	4	2	Sept. 4-24, 1921: Two plague-infected rats found.
Fajardo				Aug. 28-Sept. 3, 1921: One plague rat found.
Manati	July 17-23	1	1	
Martin Pena	July 2-9	1		Suburb coextensive with Santurce.
San Juan				Plague rat on steamship San Luis, in San Juan harbor: Sept. 9, 1921.
Portugal:				
Lisbon	July 29-Sept. 3	7		
Portuguese West Africa:				
Angola—				
Loanda	Apr. 24-June 18	16		
Do	July 17-23		1	
Russia:				
Siberia—				
Vladivostok	Apr. 1-June 30		252	First case occurred Apr. 10, 1921.
Do	July 1-31		4	
Senegal:				
Dakar	May 1-June 30	54	47	
Do	July 1-Aug. 31	117	93	
Siam:				
Bangkok	Apr. 24-June 18	7	6	
Do	July 24-Aug. 27	14	11	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 2 to Nov. 4, 1921—Continued.

PLAGUE—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Straits Settlements:				
Singapore	May 8-June 18	5	5	
Do	June 26-Aug. 20	4	4	
Syria:				
Alexandretta	July 10-Aug. 6	18	4	
Beirut	May 31-June 30	2		
Do	July 1-Sept. 4	17		
Turkey:				
Constantinople	July 10-Sept. 24	6	2	
Union of South Africa				Jan.-Apr., 1921: Cases (white), 6; deaths, 4. Cases (native), 13; deaths, 6. Occurring in the Orange Free State.
On vessels:				
Steamship Kishenev	May 2	1		At Chefoo, China. Plague death en route. Vessel sent to quarantine, Kentucky Island, where to May 6 a total of 16 deaths was reported. (Public Health Reports, July 1, 1921, p. 1534.)
Steamship Oreland				At Genoa, Italy, June 12, 1921; from La Plata, Argentina. Two fatal cases plague in crew en route.
Steamship Ralph Moller	June 8	4	1	At Chefoo, China, from Vladivostok, Siberia. Three fatal cases en route. One case with fatal termination removed at Vladivostok.
Steamship San Luis	Sept. 9			In harbor, San Juan, Porto Rico, Sept. 9, 1921; 1 plague rat.
Steamship Tenyo Maru				En route between Nagasaki and Kobe, Japan, June 28, 1921, 1 fatal case.

SMALLPOX.

Algeria:				
Algiers	May 1-June 30	3		
Oran	Sept. 1-10	1		
Asia Minor:				
Smyrna	May 22-28	1		On the steamship Nicholas.
Do	July 24-30	2		
Australia:				
Victoria—				
Geelong	May 5-16	2		Mild.
Do	July 12-29	2		
Melbourne	Apr. 9-23	4	1	Mild epidemic.
Do	July 17-23	1	1	Slight epidemic reported.
Bolivia:				
La Paz	Apr. 1-30	5	4	
Brazil:				
Pernambuco	Mar. 28-May 22	28	4	
Rio de Janeiro	May 8-June 18	11	2	
Do	June 26-Sept. 17	100	19	
Sao Paulo	May 23-June 26	7	2	
Do	June 27-Sept. 4	13	2	
British East Africa:				
Kenya Colony—				
Zanzibar	May 8-14	12	4	Origin, India.
Bulgaria:				
Sofia	May 15-31	6		
Canada:				
Alberta—				
Calgary	May 26-June 18	3		
British Columbia—				
Vancouver	May 28-June 25	8		
Manitoba—				
Winnipeg	do	6		
Do	June 26-Oct. 15	13	1	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 2 to Nov. 4, 1921—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Canada—Continued.				
New Brunswick—				
Charlotte County	July 10-Oct. 15	11		
Madawaska County	Aug. 7-Oct. 15	3		
Restigouche County	June 19-25	1		
Westmoreland County	June 26-July 2	2		
Nova Scotia—				
Sydney	June 5-18	2		
Do	June 26-July 2	4		
Ontario—				
Fort William and Port Arthur.	Aug. 7-27	2		
Hamilton	June 12-18	3		
Do	July 3-9	1		
Kingston	June 5-11	1		At 2 localities in vicinity, 2 cases.
London	June 5-25	2		
Montreal	June 12-18	1		
Do	July 17-Oct. 22	3		
North Bay	June 11-25	3		
Do	June 26-July 9	2		
Ottawa	June 12-25	21		
Do	June 26-Aug. 13	35		
Toronto	Aug. 28-Sept. 24	3		
Saskatchewan—				
Moose Jaw	Sept. 4-Oct. 15	3		
Saskatoon	Sept. 26-Oct. 17	12		
Chile:				
Antofagasta	May 16-June 19	228	103	
Arica	May 31	2		
Mejillones	May 30-June 5			Present. Also at interior nitrate plants.
Valparaiso	June 26-Sept. 10		25	
China:				
Amoy	May 8-June 4		4	June 5-25: Present.
Do	June 26-Sept. 3		2	
Antung	May 16-June 25	12	2	
Canton	Apr. 1-30			Present.
Chungking	May 1-June 25			Do.
Do	June 26-Aug. 20			Do.
Foochow	May 8-June 25			Do.
Do	June 26-Aug. 27			Do.
Hankow	May 15-21	4	1	
Do	July 10-15	1		
Hongkong	Apr. 24-June 25	99	84	
Do	July 24-Aug. 20	3	1	
Manchuria—				
Dairen	May 9-June 26	44	5	
Do	June 27-Aug. 14	8	3	
Harbin	May 16-June 13	5		
Do	June 27-July 10	2		
Mukden	May 22-June 11			Do.
Do	July 3-Aug. 20			Do.
Nanking	May 8-June 25			Do.
Do	June 26-Aug. 27			Do.
Shanghai	June 20-26	1		
Do	July 3-Sept. 17	5	1	
Tientsin	May 8-June 25	31		Mission hospital.
Do	June 26-Aug. 20	9	1	
Tsingtau	May 9-June 12	4	1	
Do	July 25-31	1		
Chosen (Korea):				
Chemulpo	May 1-June 30	11	3	
Fusan	do	12	3	
Gensan	do	5	2	
Seoul	do	3		
Colombia:				
Santa Marta	June 5-25			Present.
Do	June 26-Aug. 27			Do.
Cuba:				
Antilla	June 5-25	7		
Do	June 26-Oct. 1	71		
Cienfuegos	June 26-Sept. 3	3		
Matanzas	June 12-18	1	1	
Do	July 3-31	4	2	
Nuevitas	July 4-Sept. 25	15		6 of these reported found in vicinity.
Preston	Oct. 2-15	4		
Santiago	June 1-30	28	2	
Do	July 1-Sept. 30	47	1	

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 2 to Nov. 4, 1921—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Dominican Republic				In eastern Provinces, Aug. 25, 1921, 2,000 cases, estimated.
La Ramona	Aug. 25			Cases numerous.
San Pedro de Macoris	Aug. 19-Oct. 8	48	4	On sugar estates in same Province, about 400 cases, Aug. 19-25. Estimated 500 cases in the District of Macoris, 50 of which were within city limits.
Santo Domingo	Sept. 1-Oct. 13	22		In surrounding country.
Ecuador:				
Eloy Alfaro	Aug. 1-15	1		
Guayaquil	May 1-June 30	31		
Do	July 1-Sept. 15	24	1	
Egypt:				
Cairo	Mar. 19-Apr. 29	2	1	
Port Said	Apr. 2-May 20	10		
Finland	May 1-15	1		
France:				
Brest	May 22-June 4	18		
Cherbourg	Aug. 1-31	1		Varioloid.
Paris	July 22-31	2	1	
Rouen	May 1-29	2		
Germany				Apr. 24-May 28, 1921: Cases, 12. Additional, Apr. 17-May 7, 1921: Cases, 57; deaths, 7.
Great Britain:				
Nottingham	May 29-June 4	1		
Do	July 3-Sept. 24	56		Stated Aug. 17 to be epidemic and to have begun about two months previous to date; 57 cases reported.
Queenstown	July 3-9	1		
Southampton	July 26-July 2	1		
Greece:				
Saloniki	June 6-12		1	
Haiti:				
Cape Haitien	June 19-25	24	2	
Do	June 26-Oct. 1	198	18	
Port au Prince	Sept. 11-17			Present.
India				Mar. 20-May 21, 1921: Deaths, 3,232. June 5-25, 1921: Deaths, 958. July 3-9, 1921: Deaths, 393. July 24-30, 1921, 118 deaths.
Bombay	May 1-June 25	84	50	
Do	June 26-Sept. 3	61	42	
Calcutta	May 8-June 25	8	8	
Do	June 26-Sept. 10	9	7	
Karachi	May 29-June 25	25	17	
Do	June 26-July 30	8	2	
Madras	May 8-June 25	33	11	
Do	June 26-Sept. 17	57	34	
Rangoon	Apr. 24-June 4	20	3	
Do	July 10-Aug. 13	4	1	
Indo-China				Jan. 1-31, 1921: Cases, 102; deaths, 15.
City—				
Saigon	May 9-15	2	1	
Do	Aug. 21-27	1	1	
Province—				
Anam	Jan. 1-31	35		January, 1920: Cases, 16; deaths, 3.
Cambodia	do	21	3	January, 1920: Cases, 139, deaths, 54.
Cochin China	do	19	12	January, 1920: Cases, 8; deaths, 1.
Tonkin	do	27		January, 1920: Cases, 224; deaths, 43.
Italy:				
Catania				Province: June 6-20, 1921: Cases, 5.
Do	July 18-Aug. 14			In Province: Cases, 7.
Genoa	Apr. 1-May 31	11		
Do	July 4-10	2		
Messina	May 23-June 26	2	1	
Do	July 11-17	1		In Province, July 4-17, 1921: Cases, 9.
Palermo	May 18-June 21	7	1	
Milan	Apr. 1-30	2		
Do	June 29-July 19	3		
Japan:				
Kobe	May 24-June 26	3		
Nagasaki	May 23-June 26	6	1	
Taiwan Island	July 1-10	1		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 2 to Nov. 4, 1921—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Java:				
East Java—				
Surabaya	June 19-25	2		
Do	July 10-Aug. 20	10	1	
West Java—				
Bandoeng	May 27-June 3	1		
Do	July 8-21	1		
Batavia	May 6-June 23	17	15	
Do	July 1-Sept. 1	106	40	
Buitenzorg	Apr. 29-June 23	16		
Do	July 22-Aug. 4	2	1	
Garoet	May 6-12	1		
Do	July 8-Aug. 4	4		
Krawang	Apr. 29-June 30	33	5	
Do	July 22-Aug. 4	14	1	
Lebak	Apr. 29-May 26	12	2	
Pandeglang	June 3-30	2	1	
Do	July 8-14	1		
Jugoslavia				Mar. 14-May 13, 1921: Cases, 334; deaths, 83. June 27-July 10, 1921: Cases, 111; deaths, 27.
Mesopotamia:				
Bagdad	Apr. 1-May 31	3	1	
Mexico:				
Chihuahua	May 23-June 27		3	
Do	Oct. 3-16		4	
Guadalajara	June 1-30	3		
Do	July 1-Sept. 30	13	3	
Mexico City	May 15-June 25	246		Including municipalities in Federal District.
Do	June 26-Sept. 3	204		Do.
San Luis Potosi	July 17-Oct. 15		3	
Tampico	July 11-20	1		
Torreon	Sept. 1-30	2		
Vera Cruz	June 13-19		1	
Do	July 11-Sept. 11		3	
Newfoundland:				
Tilton	Aug. 20-26	3		
Panama				Jan. 1-Sept. 19, 1921: Cases, 205, of which 33 were nonresidents.
Canal Zone	Apr. 1-May 31	2		
Colon	Jan. 1-May 31	111		
Do	Aug. 30	1		From the interior.
Panama	Feb. 1-June 30	54		Sept. 4-19; 1 from interior.
Do	July 1-Sept. 19	4		
Poland				Mar. 1-Apr. 30, 1921: Cases, 1,117; deaths, 142.
District—				
Bialystok	Mar. 1-Apr. 30	3		
Cracovia	do	56	6	
Kielce	do	180	26	
Leopol	do	52	16	
Lodz	do	72	9	
Lublin	do	397	30	
Posen	do	26	2	
Silesia	do	10		In Teschen.
Stanislawow	do	30	5	
Tarnopol	do	156	31	
Warsaw	do	36	4	
Warsaw City	do	90	13	
Portugal:				
Lisbon	May 15-June 25		34	
Do	June 26-Sept. 17	33	3	
Oporto	June 19-25	1		
Do	Sept. 11-17	1		
Portuguese East Africa:				
Lourenco Marques	May 8-28	8		
Do	July 10-Sept. 10	14	4	
Rumania:				
District—				
Hotin	Apr. 1-30	40	9	
Orthei	Mar. 1-31	2		

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 2 to Nov. 4, 1921—Continued.

SMALLPOX—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Russia:				
Province—				
Esthonia	Apr. 1-June 30	9		
Do	July 1-Aug. 30	55		
Latvia	Apr. 1-May 31	41		
Do	July 1-31	12		
Siberia—				
Vladivostok	June 1-30	1		
Serbia				Mar. 24-May 21: Cases, 205; deaths, 41.
Belgrade	Aug. 7-20	2	1	
Senegal:				
Dakar	May 1-31	1	1	
Spain:				
Barcelona	May 12-June 22		13	
Do	July 7-Sept. 28		10	
Huelva	July 1-31		2	
Madrid	June 1-30	2		
Do	Aug. 1-31		1	
Malaga	May 1-June 30		57	
Do	July 1-Aug. 31		57	
Tarragona	May 9-15		1	
Valencia	May 22-28	1		
Do	July 2-Aug. 20	9	2	
Straits Settlements:				
Singapore	June 12-18	1		
Do	July 10-Aug. 27	7	3	
Switzerland:				
Basel	Sept. 11-Oct. 1	5		
Zurich	May 28-June 11	10		
Do	July 3-Sept. 2	4		
Syria:				
Aleppo	Apr. 9-16			Present.
Beirut	May 10-30	1	1	
Do	Aug. 8-14	1	1	
Tunis:				
Tunis	May 30-June 17	2	3	
Do	July 2-Sept. 30	14	11	
Turkey:				
Constantinople	June 12-25	5		
Do	June 26-Sept. 24	9		
Union of South Africa				January-April, 1921: Cases (white), 18; deaths, 1. Cases (native), 192; deaths, 5. May 1-31, 1921: Cases, 65; deaths, 3, all natives. June 1-30, 1921: Cases, 64, of which 1 white. July 1-31, 1921: Natives—Cases, 129; deaths, 2. White—1 case. Aug. 28-Sept. 3, outbreaks in Cape Province, Orange Free State, and Transvaal.
Cape Province	Apr. 24-June 25			Fresh outbreaks.
Do	July 1-Aug. 27	118		
Natal	Apr. 24-June 25			Do.
Do	July 1-Aug. 27	1		Do.
Durban	Aug. 7-27	3		Stated to have been imported.
Orange Free State	May 29-June 25			Outbreaks.
Do	Aug. 21-27			Present.
Southern Rhodesia	July 14-Aug. 31	52	19	
Transvaal	May 22-June 18			Do.
Do	July 1-31	11		
Johannesburg	do	2		
Do	Sept. 1-10	32	11	District.
On vessels:				
Steamship Craster Hall				Arrived Mobile, Ala., Oct. 8, 1921, from Buenos Aires, Rio de Janeiro, and Barbados. One case in crew removed at Barbados, Sept. 28, 1921.
Steamship Niagara	June 1	1		At Sydney, Australia, from Vancouver via Fiji and New Zealand.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 2 to Nov. 4, 1921—Continued.

TYPHUS FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
Algeria:				
Algiers	May 1-June 30	109	25	
Do	July 1-Aug. 31	22	7	
Oran	May 22-June 30	35	28	
Do	July 1-Sept. 10	15	13	
Asia Minor:				
Smyrna	June 12-18	1		In district.
Do	Aug. 28-Sept. 3	1		
Bolivia:				
La Paz	Apr. 1-June 30	50	51	
Do	July 1-31	19	3	
Brazil:				
Bahia	June 19-25	1	1	
Do	Aug. 7-13	1	1	
Porto Alegre	June 19-25		3	
Do	Aug. 7-13		1	
Canary Islands:				
Teneriffe	Aug. 14-Sept. 10		2	
Chile:				
Concepcion	Apr. 12-June 20		8	July 25-Aug. 29, 1921: In hospital, 30 cases; in city, estimated, 100 cases.
Do	July 12-Sept. 5		14	
Los Angeles	July 26-Aug. 8			Prevalent.
Valparaiso	Mar. 27-May 28		4	
Do	June 26-Sept. 10		3	
China:				
Antung	May 30-June 5	1		
Do	June 27-Sept. 11	10		
Hankow	May 22-June 11	3		
Manchuria—				
Harbin	May 23-29	1		
Do	July 4-10	1		
Chosen (Korea):				
Chemulpo	June 1-30	2		
Fusan	May 1-31	1		
Gensan	May 1-June 30	4		
Seoul	May 1-31	1		
Cuba:				
Matanzas	Oct. 4-10	1		
Czechoslovakia:				
Prague	June 5-26	5	2	
Egypt:				
Alexandria	May 21-June 23	21	8	
Do	June 24-Sept. 30	47	18	
Cairo	Mar. 19-June 24	235	102	
Do	June 24-Aug. 5	58	32	
Port Said	Apr. 2-May 13	8	2	
Finland	May 1-15	5		
Germany				Apr. 24-June 4, 1921: Cases, 7.
Hamburg	May 27-June 4	1		
Great Britain:				
Dublin	May 29-June 4	1		
Greece:				
Saloniki	May 23-June 26	21	6	
Do	June 27-Aug. 14	1	2	
Guatemala:				
Guatemala City	July 1-Sept. 30		2	
Hungary				Jan. 1-July 13, 1921: Cases, 71; occurring in 4 counties.
Italy:				
Messina (Province)	Aug. 29-Sept. 4	2		In 2 localities.
Japan:				
Nagasaki	May 23-June 5	7	2	
Jugoslavia				Jan. 30-May 14, 1921: Cases, 286; deaths, 40; June 27-July 10, 1921: Cases, 23; deaths, 7.
Belgrade	May 1-14	6		
Zagreb	June 19-25	3		
Do	July 10-Sept. 3	37	4	
Mesopotamia:				
Bagdad	May 1-31	1	3	
Mexico:				
Mexico City	May 15-June 25	102		Including municipalities in Federal District.
Do	June 26-Sept. 3	148		
Saltillo	Oct. 2-8		1	
San Luis Potosi	July 31-Aug. 6			Present.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 2 to Nov. 4, 1921—Continued.

TYPHUS FEVER—Continued.

Place.	Date.	Cases.	Deaths.	Remarks.
Morocco:				
Spanish Zone				Reported present in epidemic form Sept. 29, 1921.
Poland				Mar. 1–Apr. 30, 1921: Cases, 11,489; deaths, 1,131.
District—				
Bialystok	Mar. 1–Apr 30	853	45	
Cracovia	do	603	90	
Kielce	do	848	62	
Leopol	do	2,508	277	
Lodz	do	521	53	
Lublin	do	1,446	83	
Posen	do	77	5	
Silesia	do	26		In Teschen.
Stanislawow	do	1,557	232	
Tarnopol	do	1,855	194	
Warsaw	do	972	61	
Warsaw city	do	223	29	
Portugal:				
Oporto	July 12–Aug. 20	2		
Rumania:				
District—				
Hotin	Apr. 1–30	107	10	
Kishinev	Apr. 1–June 30	89		
Do	July 1–31	11		District.
Orhei	Mar. 1–May 30	146		
Russia:				
Province—				
Esthonia	Apr. 1–June 30	113		
Do	July 1–Aug. 31	56		
Latvia	Apr. 1–June 30	599		
Do	July 1–31	52		
Siberia—				
Vladivostok	Mar. 1–June 30	5	3	
Do	July 1–31	4	3	
Serbia				Mar. 24–May 21, 1921: Cases, 79; deaths, 7.
Spain:				
Madrid	May 1–June 30		3	
Do	July 1–31		2	
Syria:				
Beirut	May 20–June 10	1	1	
Tunis:				
Tunis	June 11–17		3	
Do	July 30–Sept. 9		2	
Turkey:				
Constantinople	May 22–June 18	11		
Do	June 26–Sept. 24	43	2	
Union of South Africa				January–April, 1921: Cases (white), 34; deaths, 2. Cases (native), 3,376; deaths, 437. June 1–30, 1921: Cases, 738; deaths, 66. July 1–31, 1921: Native—cases, 868; deaths, 121. White—cases, 15; deaths, 2. Orange Free State and Natal: Cases, 25; deaths, 10.
Cape Province				Apr. 24–June 25, 1921: Outbreaks; May 1–31, 1921: Cases, 542; deaths, 51. July 1–31, 1921: Cases, 883; deaths, 123.
Capetown	May 13–19	10	3	At native cantonment in vicinity.
East London	May 22–June 18	1	1	
Do	Aug. 21–27	1		
Port Elizabeth	Aug. 7–20	7		
Natal	July 10–Aug. 27			Outbreaks.
Orange Free State				Apr. 24–May 28, 1921: Outbreaks.
Do	July 10–Sept. 3			Outbreaks.
Transvaal—				
Johannesburg	Sept. 4–10			Outbreaks in surrounding country.
Venezuela:				
Maracaibo	June 21–27		1	
On vessel:				
Steamship Norden	Aug. 18	1		At Marcus Hook Quarantine, Pa., from Tampico, Mexico, via Nuevitas, Cuba.

CHOLERA, PLAGUE, SMALLPOX, TYPHUS FEVER, AND YELLOW FEVER—Continued.

Reports Received from July 2 to Nov. 4, 1921—Continued.

YELLOW FEVER.

Place.	Date.	Cases.	Deaths.	Remarks.
British Honduras:				
Belize	Aug. 22-Oct. 1	17	6	
Mexico:				
Alamo	June 1-30	10		State of Vera Cruz.
Do	July 19	4	1	
Barra de Penn	July 17-23	1	1	Do.
Casamaloapam	do	3	1	Do.
El Dorado	Oct. 7			Present. Sept. 25-Oct. 2, 1921, deaths, 40. Oct. 2, deaths, 5.
Manzanillo				June 1-Sept. 30, 1921: Cases, 19; deaths, 10.
Do	Oct. 7			Present.
Mazatlan	do			Do.
Playa Obispo	Aug. 23	1		Territory of Quintana Roo.
Tampico	July 11-17	3	2	State of Tamaulipas.
Tierra Blanca	Sept. 19	1		Case arrived at Vera Cruz on steamship Monterey from Progreso, Mexico.
Tlacotalpan	Sept. 25			Present.
Tuxpam	July 25-Oct. 14	2	1	State of Vera Cruz. Oct. 15: Several cases present in vicinity.
Vera Cruz	June 13-27	7		Do.
Do	July 25-Sept. 25	6	4	Do.
Zapotal	July 14	1	1	Do.
Peru				Mar. 1-Apr. 30, 1921: Cases, 172; deaths, 57. June 1-30, 1921: Cases, 25; deaths, 13. July 1-15, 1921: Cases, 2.
Department—				
Callao—				
Callao	Apr. 1-30	1		At quarantine station. From Chiclayo.
Lambayeque—				
Chiclayo	Mar. 1-June 15	47	18	
Chongollape	Mar. 1-Apr. 30	12	3	
Ferrenafe	Mar. 1-31		1	
Jayanca	Apr. 1-30	5	2	
Lambayeque	Mar. 1-Apr. 30	20	7	
Monsefu	Mar. 1-June 15	29	9	
Motupe	Mar. 1-Apr. 30	46	12	
Olmos	Apr. 1-30	2	4	
Pacora	June 1-15	1		
Pomalca	Mar. 1-31	5	1	
Villa Eten	Mar. 1-Apr. 30	7	1	
Zana	Apr. 1-30	1		
Libertad—				
Casa Grande	June 1-15	1		On farm.
Guadalupe	Apr. 1-30	2		
Monteseco	July 16-31	1		
Pacanga	June 1-30	2	2	
Pacasmayo	July 1-15	1		
Paijan	June 1-30	13	7	
Do	July 1-15	1		
Pueblo Nuevo	Apr. 1-30	1	1	
Trujillo	Apr. 1-June 15	2	2	Country.
On vessels:				
Barge J. S. McGaughy	Oct. 6	1		At quarantine station, Pensacola, Fla., from Tampico, Mexico, Sept. 30.
Steamship Lurline	Aug. 13-27	2	1	At Mazatlan, Mexico, from Manzanillo, Mexico (Public Health Reports, Sept. 16, 1921, p. 2292).
Steamship Monterey	Sept. 18	1		At Vera Cruz from Progreso, Mexico, Sept. 15, 1921. Patient went to Tierra Blanca.
Steamship Washington	Aug. 29	1		At Mazatlan, Mexico.

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